
Cabling lines and trunks

Cables are designated by the letter of the I/O panel cutout (A, B, C, and so on) where the 50-pin cable connector is attached. Each cable has three 20-pin connectors (16 positions are used), designated 1, 2, and 3, that attach to the backplane. Using the designations described, the backplane ends of the first cable are referred to as A-1, A-2, and A-3.

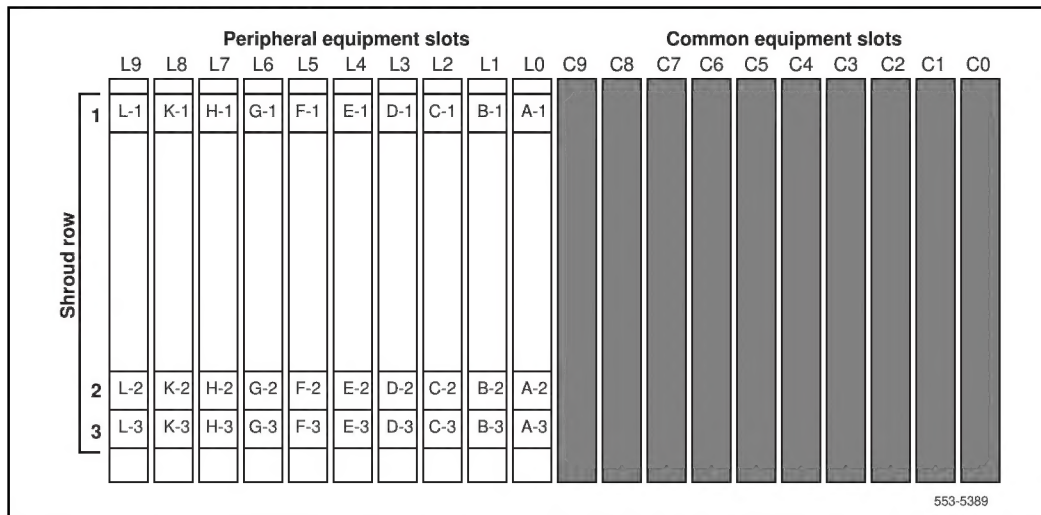
The locations of the cable connectors on the backplane are designated by the slot number (L0 through L9 for NT8D11, L0 through L15 for NT8D37) and the shroud row (1, 2, and 3). Using these designations, the slot positions in the first slot are referred to as L0-1, L0-2, and L0-3.

In NT8D11BC and NT8D11EC (and later vintage) CE/PE Modules, all 10 IPE card slots support 24-pair cable connections. [Table 26](#) shows the cable connections from the backplane to the inside of the I/O panel. [Figure 120](#) shows the designations (such as A-1) for the backplane end of the cables, and the backplane slot designations (such as L0) for the cable connections.

Table 26
NT8D11 cable connections

Backplane slots—shroud rows	I/O panel/cable designation
L0-1,2,3	A
L1-1,2,3	B
L2-1,2,3	C
L3-1,2,3	D
L4-1,2,3	E
L5-1,2,3	F
L6-1,2,3	G
L7-1,2,3	H
L8-1,2,3	K
L9-1,2,3	L

Figure 120
NT8D11 backplane cable designations



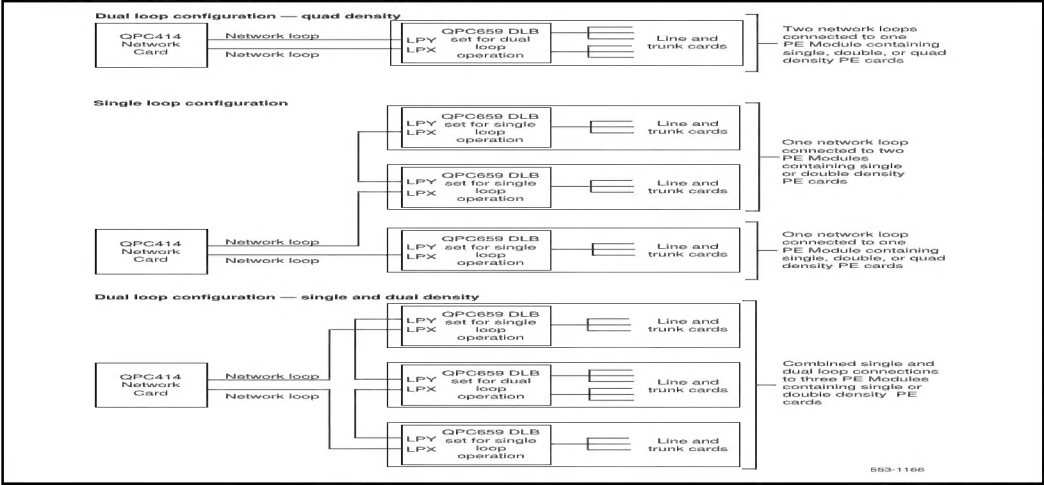
In NT8D37BA and NT8D37EC (and later vintage) IPE Modules, all 16 IPE card slots support 24-pair cable connections. [Table 27](#) shows the cable connections from the backplane to the inside of the I/O panel. [Figure 121](#) shows the designations for the backplane end of the cables, the backplane slot designations for the cable connections, and the associated network segments for the backplane slots.

Table 27
NT8D37 cable connections

Backplane slots—shroud rows	I/O panel/cable designation
L0-1, 2, 3	A
L1-1, 2, 3	B
L2-1, 2, 3	C
L3-1, 2, 3	D
L4-1, 2, 3	E
L5-1, 2, 3	F
L6-1, 2, 3	G
L7-1, 2, 3	H
L8-1, 2, 3	K
L9-1, 2, 3	L
L10-1, 2, 3	M
L11-1, 2, 3	N
L12-1, 2, 3	R
L13-1, 2, 3	S
L14-1, 2, 3	T
L15-1, 2, 3	U

Note: To cable lines and trunks in NT8D11AC or DC modules (7-cable configuration), and in NT8D37AA or DC modules (12-cable configuration), go to Appendix C.

Figure 121
NT8D37 backplane cable designations



I/O panel connections

Use this procedure to cable NT8D11 CE/PE, NT8D13 PE, and NT8D37 IPE Modules.

Note: The corner vertical channels in the rear of the module are outside of the EMI shield. Cables in those vertical channels must be shielded, and must enter and exit the EMI-shielded area through I/O panels and adapters.

CAUTION

Electrical shock hazard

Tip, ring, A, B, E, M, ESC, and ESCG connections may be considered to be Telecommunications Network Voltages (TNV).

- 1 Select an appropriate number of NE-A25B (or equivalent) cables long enough to run from the I/O panels on the rear of the module to the MDF.
 - [Figure 122](#) shows the I/O panels on the NT8D11 CE/PE Module.
 - [Figure 123](#) shows the I/O panels on the NT8D13 PE Module.
 - [Figure 124](#) shows the I/O panels on the NT8D37 IPE Module.
 - [Figures 125](#) shows the I/O panels on the NT5K11 EEPE Module.
- 2 Attach a tag that shows the module number and the I/O connector designation to both ends of each cable.
- 3 Connect each cable to the appropriate connector on the I/O panel and run the cables to the MDF.
- 4 Terminate each cable on the cross-connect block designated with the appropriate module number.

Note: For information on the MDF layout see “Planning and designating the Modular Distribution Frame (MDF)” on page 69.

- 5 Make sure all cables are neatly run, properly seated, and secured with cable ties.

Figure 122
NT8D11 CE/PE Module I/O panels

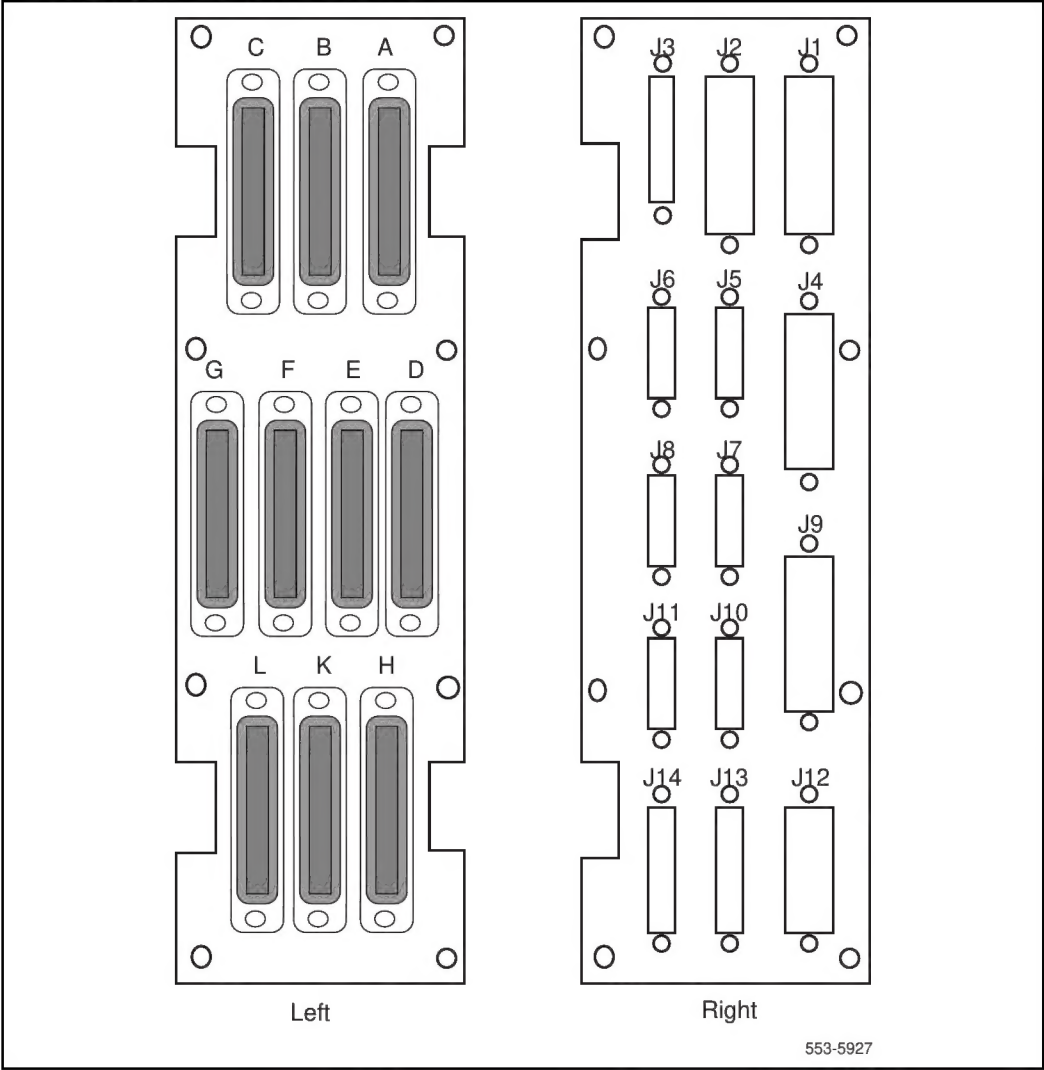


Figure 123
NT8D13 PE Module I/O panels

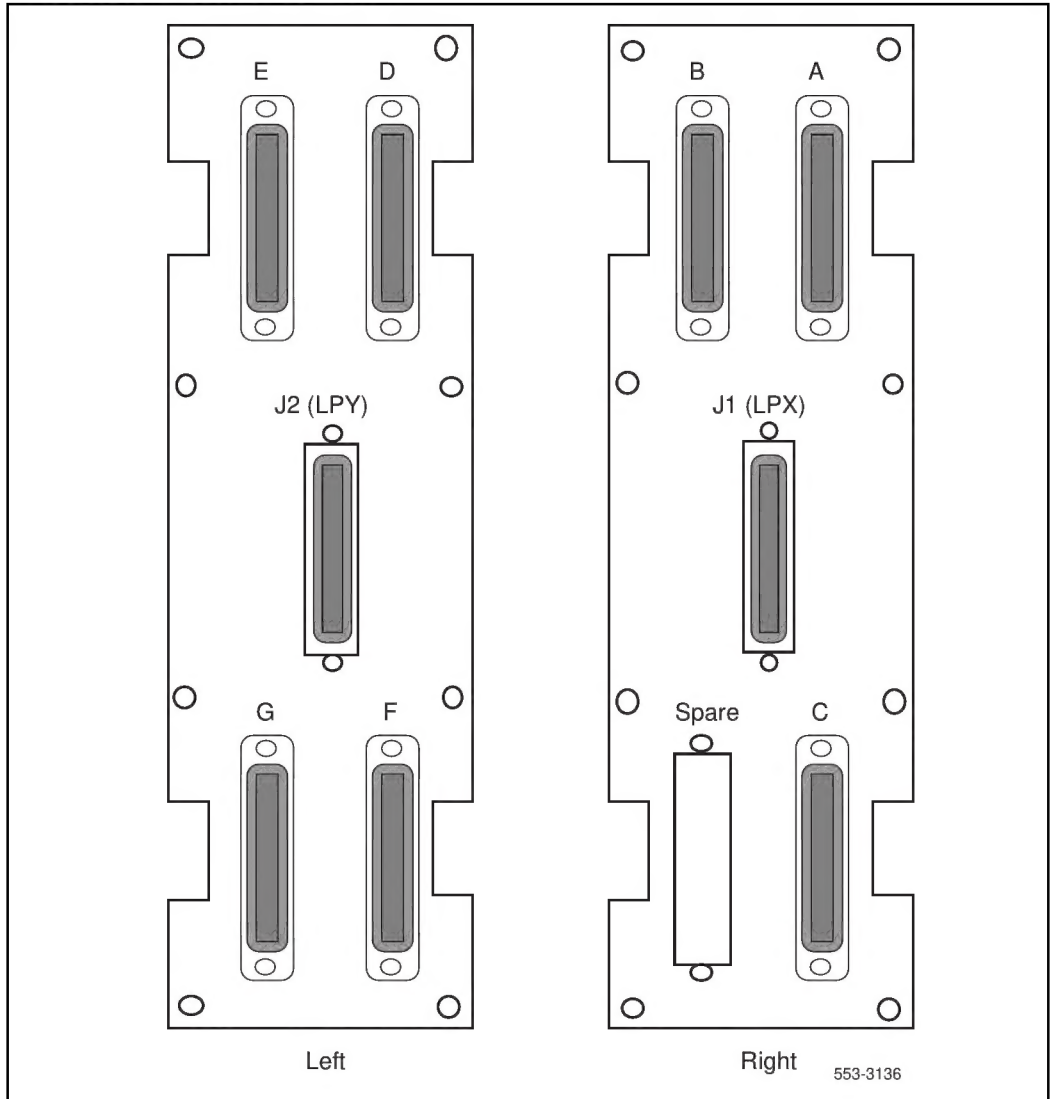


Figure 124
NT8D37 IPE Module I/O panels

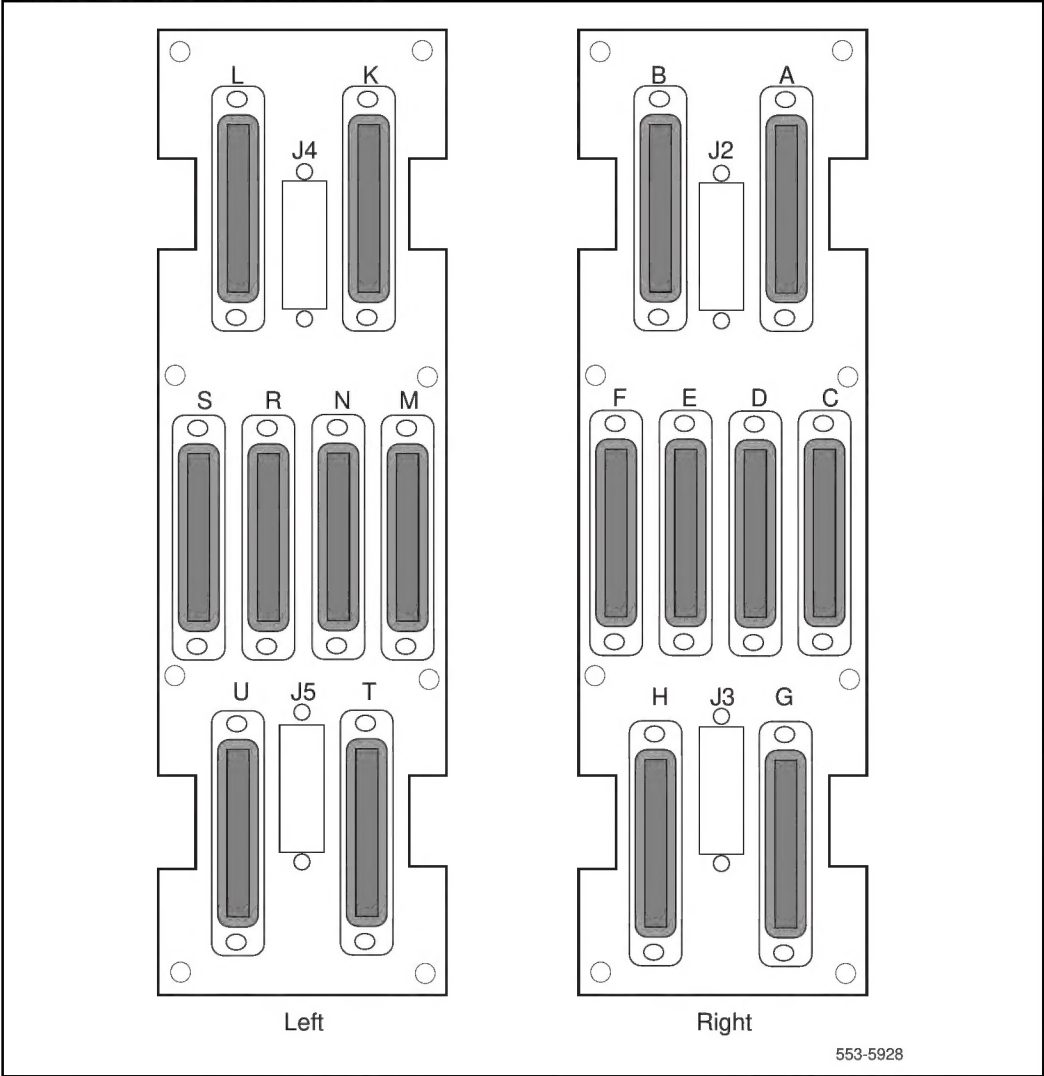
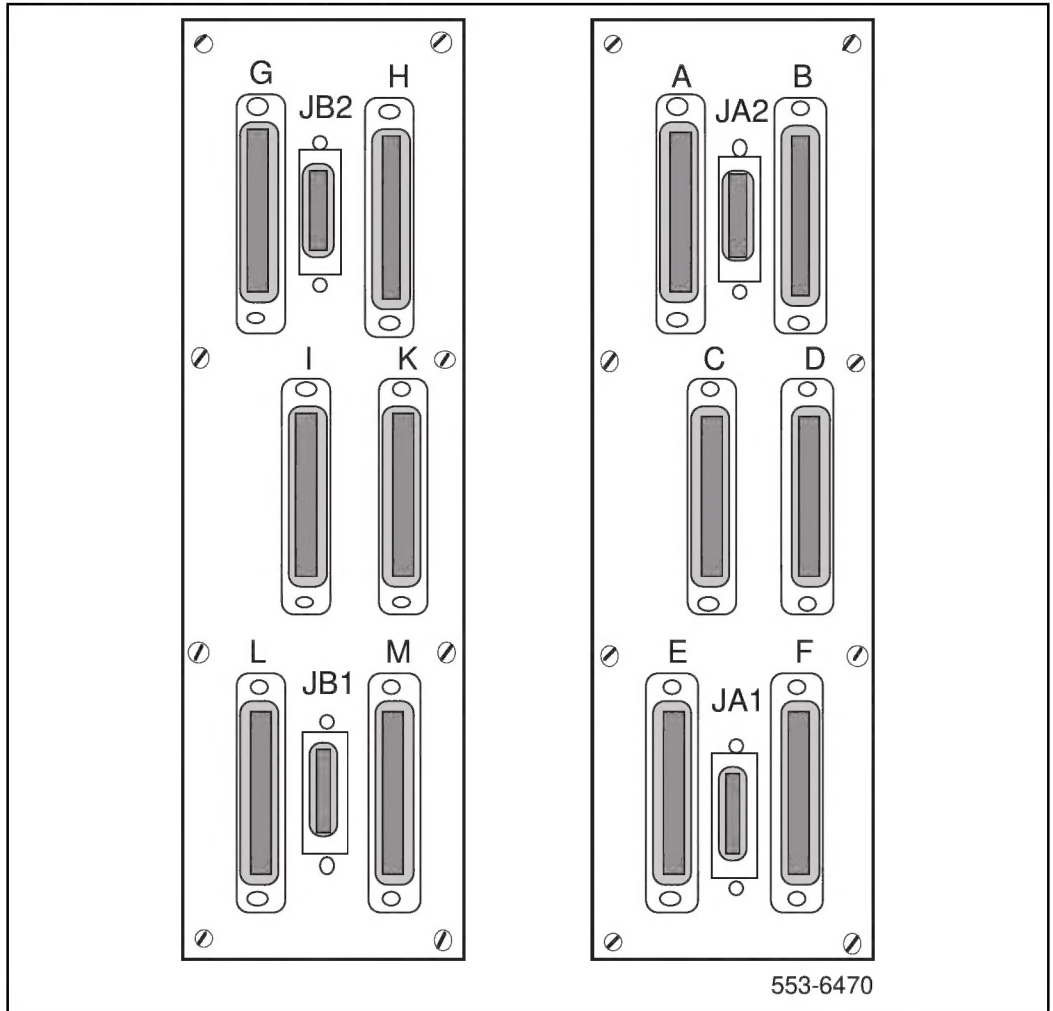


Figure 125
NT5K11 EEPE Module I/O panels



Connecting lines and trunks

Throughout this procedure, make sure wiring is not reversed and is on the proper terminals. Allow enough slack in the wiring to allow tracing and to reconnect wires if they break at the terminal.

- 1** Extend incoming wiring (such as cables from the central office or wiring from a recorded announcement machine) to the MDF and terminate them on separate connecting blocks.
- 2** Assign and record terminal numbers (TNs) for each line or trunk. Determine the location of the line or trunk connection and its assigned TN from the work order or assignment records.
- 3** Connect each line and trunk to the TN using cross-connecting wire (typically 24 AWG type-Z wire). [Table 28](#) lists pair-termination tables for line and trunk cards in NT8D11 CE/PE, NT8D13 PE, and NT8D37 IPE Modules.
- 4** Cross-connect incoming wiring and lines and trunks at the MDF.

Table 28
Line and trunk pair-termination tables

	NT8D11 CE/PE Module	NT8D13 PE Module	NT8D37 IPE Module	NT5K11 EEPE Module
Line cards	Table 29	Single loop mode: Tables 56, 57 ; Dual loop mode: Tables 58, 59	Table 67	Tables 92 through 99
Trunk cards	NT8D14 Universal Trunk Card: Table 30 NT8D15 E&M Trunk Card: Tables 31 through 33 NT5K17 DDI Trunk card; Tables 35 through 37 NT5K18 Flexible Central Office Trunk card; Tables 38 through 40 NT5K19 Flexible E&M Trunk card; Tables 41 through 55	QPC71, QPC74, QPC237, QPC239, QPC250, QPC449, QPC450, and announcement and music trunk cards: Tables 60 through 66	NT8D14 Universal Trunk Card: Table 68 NT8D15 E&M Trunk Card: Figures 69 through 71 NT5K17 DDI Trunk card; Tables 73 through 75 NT5K18 Flexible Central Office Trunk card; Tables 76 through 78 NT5K19 Flexible E&M Trunk card; Tables 79 through	Tables 92 through 99

Table 29
NT8D11 CE/PE Module: line card pair-terminations

Pair	Pin numbers	Pair color	Unit 24/card
1T/1R	26/1	W-BL/BL-W	0
2T/2R	27/2	W-O/O-W	1
3T/3R	28/3	W-G/G-W	2
4T/4R	29/4	W-BR/BR-W	3
5T/5R	30/5	W-S/S-W	4
6T/6R	31/6	R-BL/BL-R	5
7T/7R	32/7	R-O/O-R	6
8T/8R	33/8	R-G/G-R	7
9T/9R	34/9	R-BR/BR-R	8
10T/10R	35/10	R-S/S-R	9
11T/11R	36/11	BK-BL/BL-BK	10
12T/12R	37/12	BK-O/O-BK	11
13T/13R	38/13	BK-G/G-BK	12
14T/14R	39/14	BK-BR / BK-BR	13
15T/15R	40/15	BK-S/S-BK	14
16T/16R	41/16	Y-BL/BL-Y	15
17T/17R	42/17	Y-O/O-Y	16
18T/18R	43/18	Y-G/G-Y	17
19T/19R	44/19	Y-BR/BR-Y	18
20T/20R	45/20	Y-S/S-Y	19
21T/21R	46/21	V-BL/BL-V	20
22T/22R	47/22	V-O/O-V	21
23T/23R	48/23	V-G/G-V	22
24T/24R	49/24	V-BR/BR-V	23
25T/25R	50/25	V-S/S-V	Spare
Note: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, and L. These connectors are associated with backplane slots 0 through 9, sequentially.			

Table 30
NT8D11 CE/PE Module: NT8D14 Universal Trunk Card pair-terminations

Lead designations			Pin numbers	Pair color	Unit
RAN mode	Page mode	Other modes			
0T/0R CP/MB	0T/0R A/PG	0T/0R	26/1 27/2	W-BL/BL-W W-O/O-W	0
1T/1R CP/MB	1T/1R A/PG	1T/1R	28/3 29/4	W-G/G-W W-BR/BR-W	1
2T/2R CP/MB	2T/2R A/PG	2T/2R	30/5 31/6	W-S/S-W R-BL/BL-R	2
3T/3R CP/MB	3T/3R A/PG	3T/3R	32/7 33/8	R-O/O-R R-G/G-R	3
4T/4R CP/MB	4T/4R A/PG	4T/4R	34/9 35/10	R-BR/BR-R R-S/S-R	4
5T/5R CP/MB	5T/5R A/PG	5T/5R	36/11 37/12	BK-BL/BL-BK BK-O/O-BK	5
6T/6R CP/MB	6T/6R A/PG	6T/6R	38/13 39/14	BK-G/G-BK BK-BR/BK-BR	6
7T/7R CP/MB	7T/7R A/PG	7T/7R	40/15 41/16	BK-S/S-BK Y-BL/BL-Y	7
Note 1: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, and L. These connectors are associated with backplane slots 0 through 9, sequentially. Note 2: Use LD 14 to select trunk termination impedance (600 ohm or 900 ohm). See the <i>X11 input/output guide</i> for information on LD 14.					

Table 31
NT8D11 CE/PE Module: NT8D15 E&M Trunk Card 2-wire paging mode pair-terminations

Pair	Pin numbers	Pair color	Unit
0T/0R A/PG	26/1 29/4	W-BL/BL-W W-BR/BR-W	0
1T/1R A/PG	30/5 33/8	W-S/S-W R-G/G-R	1
2T/2R A/PG	34/9 37/12	R-BR/BR-R BK-O/O-BK	2
3T/3R A/PG	38/13 41/16	BK-G/G-BK Y-BL/BL-Y	3
Note: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, and L. These connectors are associated with backplane slots 0 through 9, sequentially.			

Table 32
NT8D11 CE/PE Module: NT8D15 E&M Trunk Card 2-wire type 1 mode pair-terminations

Pair	Pin numbers	Pair color	Unit
0T/0R E/M	26/1 28/3	W-BL/BL-W W-G/G-W	0
1T/1R E/M	30/5 32/7	W-S/S-W R-O/O-R	1
2T/2R E/M	34/9 36/11	R-BR/BR-R BK-BL/BL-BK	2
3T/3R E/M	38/13 40/15	BK-G/G-BK BK-S/S-BK	3
Note: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, and L. These connectors are associated with backplane slots 0 through 9, sequentially.			

Table 33
NT8D11 CE/PE Module: NT8D15 E&M Trunk Card 4-wire type 1 and type 2 mode pair-terminations

Lead designations		Pin numbers	Pair color	Unit
Type 1	Type 2			
TA/TB	TA/TB	26/1	W-BL/BL-W	0
RA/RB	RA/RB	27/2	W-O/O-W	
E/M	EA/EB	28/3	W-G/G-W	
ESC/ESCG	MA/MB	29/4	W-BR/BR-W	
TA/TB	TA/TB	30/5	W-S/S-W	1
RA/RB	RA/RB	31/6	R-BL/BL-R	
E/M	EA/EB	32/7	R-O/O-R	
ESC/ESCG	MA/MB	33/8	R-G/G-R	
TA/TB	TA/TB	34/9	R-BR/BR-R	2
RA/RB	RA/RB	35/10	R-S/S-R	
E/M	EA/EB	36/11	BK-BL/BL-BK	
ESC/ESCG	MA/MB	37/12	BK-O/O-BK	
TA/TB	TA/TB	38/13	BK-G/G-BK	3
RA/RB	RA/RB	39/14	BK-BR/BR-BK	
E/M	EA/EB	40/15	BK-S/S-BK	
ESC/ESCG	MA/MB	41/16	Y-BL/BL-Y	
Note 1: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, and L. These connectors are associated with backplane slots 0 through 9, sequentially.				
Note 2: TA/TB is the transmit pair; RA/RB is the receive pair.				

Table 34
NT8D11 CE/PE Module: NT8D15 E&M Trunk Card 4-wire type 1 and type 2 mode pair-terminations

Lead designations		Pin numbers	Pair color	Unit
Type 1	Type 2			
TA/TB	TA/TB	26/1	W-BL/BL-W	0
RA/RB	RA/RB	27/2	W-O/O-W	
E/M	EA/EB	28/3	W-G/G-W	
ESC/ESCG	MA/MB	29/4	W-BR/BR-W	
TA/TB	TA/TB	30/5	W-S/S-W	1
RA/RB	RA/RB	31/6	R-BL/BL-R	
E/M	EA/EB	32/7	R-O/O-R	
ESC/ESCG	MA/MB	33/8	R-G/G-R	
TA/TB	TA/TB	34/9	R-BR/BR-R	2
RA/RB	RA/RB	35/10	R-S/S-R	
E/M	EA/EB	36/11	BK-BL/BL-BK	
ESC/ESCG	MA/MB	37/12	BK-O/O-BK	
TA/TB	TA/TB	38/13	BK-G/G-BK	3
RA/RB	RA/RB	39/14	BK-BR/BR-BK	
E/M	EA/EB	40/15	BK-S/S-BK	
ESC/ESCG	MA/MB	41/16	Y-BL/BL-Y	
Note 1: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, and L. These connectors are associated with backplane slots 0 through 9, sequentially.				
Note 2: TA/TB is the transmit pair; RA/RB is the receive pair.				

Table 35
NT8D11 CE/PE Module: NT5K17 Direct Dial Inward Trunk Card pair terminations
for I/O panel connector A

Lead designations	Pins	Pair color	I/O panel connectors	Unit number
DDI Mode			A	
T0 R0	26 1	W-BL BL-W	Slot 0	Unit 0
	27 2	W-O O-W		
T1 R1	28 3	W-G G-W		Unit 1
	29 4	W-BR BR-W		
T2 R2	30 5	W-S S-W		Unit 2
	31 6	R-BL BL-R		
T3 R3	32 7	R-O O-R		Unit 3
	33 8	R-G G-R		
T4 R4	34 9	R-BR BR-R		Unit 4
	35 10	R-S S-R		
T5 R5	36 11	BK-BL BL-BK		Unit 5
	37 12	BK-S S-BK		
T6 R6	38 13	BK-G G-BK		Unit 6
	39 14	BK-BR BR-BK		
T7 R7	40 15	BK-S S-BK		Unit 7
	41 16	Y-BL BL-Y		

Table 36

**NT8D11 CE/PE Module: NT5K17 Direct Dial Inward Trunk Card pair terminations
for I/O panel connectors B, E, H (Part 1 of 2)**

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
DDI Mode			B	E	H	
T0 R0	26 1	W-BL BL-W	Slot 1	Slot 4	Slot 7	Unit 0
	27 2	W-O O-W				
T1 R1	28 3	W-G G-W				Unit 1
	29 4	W-BR BR-W				
T2 R2	30 5	W-S S-W				Unit 2
	31 6	R-BL BL-R				
T3 R3	32 7	R-O O-R				Unit 3
	33 8	R-G G-R				
T4 R4	34 9	R-BR BR-R				Unit 4
	35 10	R-S S-R				
T5 R5	36 11	BK-BL BL-BK				Unit 5
	37 12	BK-S S-BK				
T6 R6	38 13	BK-G G-BK				Unit 6
	39 14	BK-BR BR-BK				
T7 R7	40 15	BK-S S-BK				Unit 7
	41 16	Y-BL BL-Y				

Table 36

**NT8D11 CE/PE Module: NT5K17 Direct Dial Inward Trunk Card pair terminations
for I/O panel connectors B, E, H (Part 2 of 2)**

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
DDI Mode			B	E	H	
T0 R0	42 17	Y-O O-Y	Slot 2	Slot 5	Slot 8	Unit 0
	43 18	Y-G G-Y				
T1 R1	44 19	Y-BR BR-Y				Unit 1
	45 20	Y-S S-Y				
T2 R2	46 21	V-BL BL-V				Unit 2
	47 22	V-O O-V				
T3 R3	48 23	V-G G-V				Unit 3
	49 24	V-BR BR-V				

Table 37
**NT8D11 CE/PE Module: NT5K17 Direct Dial Inward Trunk Card pair terminations
for I/O panel connectors C, F, K (Part 1 of 2)**

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
DDI Mode			C	F	K	
T0 R0	26 1	W-BL BL-W	Slot 2	Slot 5	Slot 8	Unit 4
	27 2	W-O O-W				
T1 R1	28 3	W-G G-W				Unit 5
	29 4	W-BR BR-W				
T2 R2	30 5	W-S S-W				Unit 6
	31 6	R-BL BL-R				
T3 R3	32 7	R-O O-R				Unit 7
	33 8	R-G G-R				

Table 37

**NT8D11 CE/PE Module: NT5K17 Direct Dial Inward Trunk Card pair terminations
for I/O panel connectors C, F, K (Part 2 of 2)**

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
DDI Mode			C	F	K	
T4 R4	34 9	R-BR BR-R	Slot 3	Slot 6	Slot 9	Unit 0
	35 10	R-S S-R				
T5 R5	36 11	BK-BL BL-BK				Unit 1
	37 12	BK-S S-BK				
T6 R6	38 13	BK-G G-BK				Unit 2
	39 14	BK-BR BR-BK				
T7 R7	40 15	BK-S S-BK				Unit 3
	41 16	Y-BL BL-Y				
T0 R0	42 17	Y-O O-Y				Unit 4
	43 18	Y-G G-Y				
T1 R1	44 19	Y-BR BR-Y				Unit 5
	45 20	Y-S S-Y				
T2 R2	46 21	V-BL BL-V				Unit 6
	47 22	V-O O-V				
T3 R3	48 23	V-G G-V				Unit 7
	49 24	V-BR BR-V				

Table 38

NT8D11 CE/PE Module: NT5K18 Flexible Central Office Trunk Card pair terminations for I/O panel connector A

Lead designations	Pins	Pair color	I/O panel connectors	Unit number
COT			A	
T0 R0	26 1	W-BL BL-W	Slot 0	Unit 0
	27 2	W-O O-W		
T1 R1	28 3	W-G G-W		Unit 1
	29 4	W-BR BR-W		
T2 R2	30 5	W-S S-W		Unit 2
	31 6	R-BL BL-R		
T3 R3	32 7	R-O O-R		Unit 3
	33 8	R-G G-R		
T4 R4	34 9	R-BR BR-R		Unit 4
	35 10	R-S S-R		
T5 R5	36 11	BK-BL BL-BK		Unit 5
	37 12	BK-S S-BK		
T6 R6	38 13	BK-G G-BK		Unit 6
	39 14	BK-BR BR-BK		
T7 R7	40 15	BK-S S-BK		Unit 7
	41 16	Y-BL BL-Y		

Table 39

NT8D11 CE/PE Module: NT5K18 Flexible Central Office Trunk Card pair terminations for I/O panel connectors B, E, H (Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
COT						
T0 R0	26 1	W-BL BL-W	Slot 1	Slot 4	Slot 7	Unit 0
	27 2	W-O O-W				
T1 R1	28 3	W-G G-W				Unit 1
	29 4	W-BR BR-W				
T2 R2	30 5	W-S S-W				Unit 2
	31 6	R-BL BL-R				
T3 R3	32 7	R-O O-R				Unit 3
	33 8	R-G G-R				
T4 R4	34 9	R-BR BR-R				Unit 4
	35 10	R-S S-R				
T5 R5	36 11	BK-BL BL-BK				Unit 5
	37 12	BK-S S-BK				
T6 R6	38 13	BK-G G-BK				Unit 6
	39 14	BK-BR BR-BK				
T7 R7	40 15	BK-S S-BK				Unit 7
	41 16	Y-BL BL-Y				

Table 39
NT8D11 CE/PE Module: NT5K18 Flexible Central Office Trunk Card pair terminations for I/O panel connectors B, E, H (Part 2 of 2)

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
COT						
T0 R0	42 17	Y-O O-Y	Slot 2	Slot 5	Slot 8	Unit 0
	43 18	Y-G G-Y				
T1 R1	44 19	Y-BR BR-Y				Unit 1
	45 20	Y-S S-Y				
T2 R2	46 21	V-BL BL-V				Unit 2
	47 22	V-O O-V				
T3 R3	48 23	V-G G-V				Unit 3
	49 24	V-BR BR-V				

Table 40

NT8D11 CE/PE Module: NT5K18 Flexible Central Office Trunk Card pair terminations for I/O panel connectors C, F, K (Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
COT						
T0 R0	26 1	W-BL BL-W	Slot 2	Slot 5	Slot 8	Unit 4
	27 2	W-O O-W				
T1 R1	28 3	W-G G-W				Unit 5
	29 4	W-BR BR-W				
T2 R2	30 5	W-S S-W				Unit 6
	31 6	R-BL BL-R				
T3 R3	32 7	R-O O-R				Unit 7
	33 8	R-G G-R				

Table 40

NT8D11 CE/PE Module: NT5K18 Flexible Central Office Trunk Card pair terminations for I/O panel connectors C, F, K (Part 2 of 2)

Lead designations	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
COT						
T4 R4	34 9	R-BR BR-R	Slot 3	Slot 6	Slot 9	Unit 0
	35 10	R-S S-R				
T5 R5	36 11	BK-BL BL-BK				Unit 1
	37 12	BK-S S-BK				
T6 R6	38 13	BK-G G-BK				Unit 2
	39 14	BK-BR BR-BK				
T7 R7	40 15	BK-S S-BK				Unit 3
	41 16	Y-BL BL-Y				
T0 R0	42 17	Y-O O-Y				Unit 4
	43 18	Y-G G-Y				
T1 R1	44 19	Y-BR BR-Y				Unit 5
	45 20	Y-S S-Y				
T2 R2	46 21	V-BL BL-V				Unit 6
	47 22	V-O O-V				
T3 R3	48 23	V-G G-V				Unit 7
	49 24	V-BR BR-V				

Table 41

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 2W Paging mode pair terminations for I/O panel connector A

Pair	Pins	Pair color	I/O panel connectors	Unit number
			A	
T0 R0	27 2	W-O O-W	Slot 0	Unit 0
A PG	29 4	W-BR BR-W		
T1 R1	31 6	R-BL BL-R		Unit 1
A PG	33 8	R-G G-R		
T2 R2	35 10	R-S S-R		Unit 2
A PG	37 12	BL-O O-BL		
T3 R3	39 14	BK-BR BR-BK		Unit 3
A PG	41 16	Y-BL BL-Y		

Table 42
NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 2W Paging mode pair terminations for I/O panel connectors B, E, H

Pair	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
T0 R0	27 2	W-O O-W	Slot 1	Slot 4	Slot 7	Unit 0
A PG	29 4	W-BR BR-W				
T1 R1	31 6	R-BL BL-R				Unit 1
A PG	33 8	R-G G-R				
T2 R2	35 10	R-S S-R				Unit 2
A PG	37 12	BL-O O-BL				
T3 R3	39 14	BK-BR BR-BK				Unit 3
A PG	41 16	Y-BL BL-Y				
T0 R0	43 18	Y-G G-Y	Slot 2	Slot 5	Slot 8	Unit 0
A PG	45 20	Y-S S-Y				
T1 R1	47 22	V-O O-V				Unit 1
A PG	49 24	V-BR BR-V				

Table 43

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 2W Paging mode pair terminations for I/O panel connectors C, F, K

Pair	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
T2 R2	27 2	W-O O-W	Slot 2	Slot 5	Slot 8	Unit 2
A PG	29 4	W-BR BR-W				
T3 R3	31 6	R-BL BL-R				Unit 3
A PG	33 8	R-G G-R				
T0 R0	35 10	R-S S-R	Slot 3	Slot 6	Slot 9	Unit 0
A PG	37 12	BL-O O-BL				
T1 R1	39 14	BK-BR BR-BK				Unit 1
A PG	41 16	Y-BL BL-Y				
T2 R2	43 18	Y-G G-Y				Unit 2
A PG	45 20	Y-S S-Y				
T3 R3	47 22	V-O O-V				Unit 3
A PG	49 24	V-BR BR-V				

Table 44**NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 2W Type 1 mode pair terminations for I/O panel connector A**

Pair	Pins	Pair color	I/O panel connectors	Unit number
			A	
T0 R0	27 2	W-O O-W	Slot 0	Unit 0
E M	28 3	W-G G-W		
T1 R1	31 6	R-BL BL-R		Unit 1
E M	32 7	R-O O-R		
T2 R2	35 10	R-S S-R		Unit 2
E M	36 11	BK-BL BL-BK		
T3 R3	39 14	BK-BR BR-BK		Unit 3
E M	40 15	BK-S S-BK		

Table 45

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 2W Type 1 mode pair terminations for I/O panel connectors B, E, H

Pair	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
T0 R0	27 2	W-O O-W	Slot 1	Slot 4	Slot 7	Unit 0
E M	28 3	W-G G-W				
T1 R1	31 6	R-BL BL-R				Unit 1
E M	32 7	R-O O-R				
T2 R2	35 10	R-S S-R				Unit 2
E M	36 11	BK-BL BL-BK				
T3 R3	39 14	BK-BR BR-BK				Unit 3
E M	40 15	BK-S S-BK	Slot 2	Slot 5	Slot 8	
T0 R0	43 18	Y-G G-Y				Unit 0
E M	44 19	Y-BR BR-Y				
T1 R1	47 22	V-O O-V				Unit 1
E M	48 23	V-G G-V				

Table 46
NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 2W Type 1 mode pair terminations for I/O panel connectors C, F, K

Pair	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
T2 R2	27 2	W-O O-W	Slot 2	Slot 5	Slot 8	Unit 2
E M	28 3	W-G G-W				
T3 R3	31 6	R-BL BL-R				Unit 3
E M	32 7	R-O O-R				
T0 R0	35 10	R-S S-R	Slot 3	Slot 6	Slot 9	Unit 0
E M	36 11	BK-BL BL-BK				
T1 R1	39 14	BK-BR BR-BK				Unit 1
E M	40 15	BK-S S-BK				
T2 R2	43 18	Y-G G-Y				Unit 2
E M	44 19	Y-BR BR-Y				
T3 R3	47 22	V-O O-V				Unit 3
E M	48 23	V-G G-V				

Table 47

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 4W Type 1 mode pair terminations for I/O panel connector A

Pair	Pins	Pair color	I/O panel connectors	Unit number
			A	
TA TB	26 1	W-BL BL-W	Slot 0	Unit 0
RA RB	27 2	W-O O-W		
E M	28 3	W-G G-W		
TA TB	30 5	W-S S-W		Unit 1
RA RB	31 6	R-BL BL-R		
E M	32 7	R-O O-R		
TA TB	34 9	R-BR BR-R		Unit 2
RA RB	35 10	R-S S-R		
E M	36 11	BK-BL BL-BK		
TA TB	38 13	BK-G G-BK		Unit 3
RA RB	39 14	BK-BR BR-BK		
E M	40 15	BK-S S-BK		
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.				

Table 48
NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 4W Type 1 mode pair terminations for I/O panel connectors B, E, H (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
TA TB	26 1	W-BL BL-W	Slot 1	Slot 4	Slot 7	Unit 0
RA RB	27 2	W-O O-W				
E M	28 3	W-G G-W				
TA TB	30 5	W-S S-W				Unit 1
RA RB	31 6	R-BL BL-R				
E M	32 7	R-O O-R				
TA TB	34 9	R-BR BR-R				Unit 2
RA RB	35 10	R-S S-R				
E M	36 11	BK-BL BL-BK				
TA TB	38 13	BK-G G-BK				Unit 3
RA RB	39 14	BK-BR BR-BK				
E M	40 15	BK-S S-BK				
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.						

Table 48

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 4W Type 1 mode pair terminations for I/O panel connectors B, E, H (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
TA TB	42 17	Y-O O-Y	Slot 2	Slot 5	Slot 8	Unit 0
RA RB	43 18	Y-G G-Y				
E M	44 19	Y-BR BR-Y				
TA TB	46 21	V-BL BL-V				Unit 1
RA RB	47 22	V-O O-V				
E M	48 23	V-G G-V				
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.						

Table 49

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 4W Type 1 mode pair terminations for I/O panel connectors C, F, K (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
TA TB	26 1	W-BL BL-W	Slot 2	Slot 5	Slot 8	Unit 2
RA RB	27 2	W-O O-W				
E M	28 3	W-G G-W				
TA TB	30 5	W-S S-W				Unit 3
RA RB	31 6	R-BL BL-R				
E M	32 7	R-O O-R				
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.						

Table 49

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card 4W Type 1 mode pair terminations for I/O panel connectors C, F, K (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
TA TB	34 9	R-BR BR-R	Slot 3	Slot 6	Slot 9	Unit 0
RA RB	35 10	R-S S-R				
E M	36 11	BK-BL BL-BK				
TA TB	38 13	BK-G G-BK				Unit 1
RA RB	39 14	BK-BR BR-BK				
E M	40 15	BK-S S-BK				
TA TB	42 17	Y-O O-Y				Unit 2
RA RB	43 18	Y-G G-Y				
E M	44 19	Y-BR BR-Y				
TA TB	46 21	V-BL BL-V				Unit 3
RA RB	47 22	V-O O-V				
E M	48 23	V-G G-V				
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.						

Table 50**NT8D11 CE/PE Module: NT5K19 E&M Trunk Card AC15 Trunk mode pair terminations for I/O panel connector A**

Pair	Pins	Pair color	I/O panel connectors	Unit number
			A	
TA TB	26 1	W-BL BL-W	Slot 0	Unit 0
RA RB	27 2	W-O O-W		
TA TB	30 5	W-S S-W		Unit 1
RA RB	31 6	R-BL BL-R		
TA TB	34 9	R-BR BR-R		Unit 2
RA RB	35 10	R-S S-R		
TA TB	38 13	BK-G G-BK		Unit 3
RA RB	39 14	BK-BR BR-BK		
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.				

Table 51
NT8D11 CE/PE Module: NT5K19 E&M Trunk Card AC15 Trunk mode pair terminations for I/O panel connectors B, E, H

Pair	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
TA TB	26 1	W-BL BL-W	Slot 1	Slot 4	Slot 7	Unit 0
RA RB	27 2	W-O O-W				
TA TB	30 5	W-S S-W				Unit 1
RA RB	31 6	R-BL BL-R				
TA TB	34 9	R-BR BR-R				Unit 2
RA RB	35 10	R-S S-R				
TA TB	38 13	BK-G G-BK				Unit 3
RA RB	39 14	BK-BR BR-BK				
TA TB	42 17	Y-O O-Y	Slot 2	Slot 5	Slot 8	Unit 0
RA RB	43 18	Y-G G-Y				
TA TB	46 21	V-BL BL-V				Unit 1
RA RB	47 22	V-O O-V				
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.						

Table 52

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card AC15 Trunk mode
pair terminations for I/O panel connectors C, F, K

Pair	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
TA TB	26 1	W-BL BL-W	Slot 2	Slot 5	Slot 8	Unit 2
RA RB	27 2	W-O O-W				
TA TB	30 5	W-S S-W				Unit 3
RA RB	31 6	R-BL BL-R				
TA TB	34 9	R-BR BR-R	Slot 3	Slot 6	Slot 9	Unit 0
RA RB	35 10	R-S S-R				Unit 1
TA TB	38 13	BK-G G-BK				
RA RB	39 14	BK-BR BR-BK				Unit 2
TA TB	42 17	Y-O O-Y				
RA RB	43 18	Y-G G-Y				Unit 3
TA TB	46 21	V-BL BL-V				
RA RB	47 22	V-O O-V				

Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.

Table 53
NT8D11 CE/PE Module: NT5K19 E&M Trunk Card Recorded Announcement mode pair terminations for I/O panel connector A

Pair	Pins	Pair color	I/O panel connectors	Unit number
			A	
T0 R0	26 1	W-BL BL-W	Slot 0	Unit 0
SIG B SIG A	29 4	W-BR BR-W		
T1 R1	30 5	W-S S-W		Unit 1
SIG B SIG A	33 8	R-G G-R		
T2 R2	34 9	R-BR BR-R		Unit 2
SIG B SIG A	37 12	BL-O O-BK		
T3 R3	38 13	BK-G G-BK		Unit 3
SIG B SIG A	41 16	Y-BL BL-Y		

Table 54

NT8D11 CE/PE Module: NT5K19 E&M Trunk Card Recorded Announcement mode pair terminations for I/O panel connectors B, E, H

Pair	Pins	Pair color	I/O panel connectors			Unit number
			B	E	H	
T0 R0	26 1	W-BL BL-W	Slot 1	Slot 4	Slot 7	Unit 0
SIG B SIG A	29 4	W-BR BR-W				
T1 R1	30 5	W-S S-W				Unit 1
SIG B SIG A	33 8	R-G G-R				
T2 R2	34 9	R-BR BR-R				Unit 2
SIG B SIG A	37 12	BL-O O-BK				
T3 R3	38 13	BK-G G-BK				Unit 3
SIG B SIG A	41 16	Y-BL BL-Y				
T0 R0	42 17	Y-O O-Y	Slot 2	Slot 5	Slot 8	Unit 0
SIG B SIG A	45 20	Y-S S-Y				
T1 R1	46 21	V-BL BL-V				Unit 1
SIG B SIG A	49 24	V-BR BR-V				

Table 55
NT8D11 CE/PE Module: NT5K19 E&M Trunk Card Recorded Announcement mode pair terminations for I/O panel connectors C, F, K

Pair	Pins	Pair color	I/O panel connectors			Unit number
			C	F	K	
T2 R2	26 1	W-BL BL-W	Slot 2	Slot 5	Slot 8	Unit 2
SIG B SIG A	29 4	W-BR BR-W				
T3 R3	30 5	W-S S-W				Unit 3
SIG B SIG A	33 8	R-G G-R				
T0 R0	34 9	R-BR BR-R	Slot 3	Slot 6	Slot 9	Unit 0
SIG B SIG A	37 12	BL-O O-BK				
T1 R1	38 13	BK-G G-BK				Unit 1
SIG B SIG A	41 16	Y-BL BL-Y				
T2 R2	42 17	Y-O O-Y				Unit 2
SIG B SIG A	45 20	Y-S S-Y				
T3 R3	46 21	V-BL BL-V				Unit 3
SIG B SIG A	49 24	V-BR BR-V				

Table 56**NT8D13 PE Module: line card pair-terminations for connectors A, C, E, and G (single loop mode)**

Pair	Pins	Pair color	I/O panel connectors				Units per card								
			A	C	E	G	16 (see note)	8	4	2					
1T/1R	26/1	W-BL/BL-W	slot	slot	slot	slot	0	0	0	0					
2T/2R	27/2	W-O/O-W	X-1	X-4	X-7	X-10	8								
3T/3R	28/3	W-G/G-W					1				1				
4T/4R	29/4	W-BR/BR-W					9								
5T/5R	30/5	W-S/S-W	card 1	card 4	card 7	card 10	2	2	1	1					
6T/6R	31/6	R-BL/BL-R					10								
7T/7R	32/7	R-O/O-R					3				3				
8T/8R	33/8	R-G/G-R					11								
9T/9R	34/9	R-BR/BR-R					4				4	2			
10T/10R	35/10	R-S/S-R					12	5							
11T/11R	36/11	BK-BL/BL-BK					5				5				
12T/12R	37/12	BK-O/O-BK					13	6	3						
13T/13R	38/13	BK-G/G-BK					6				6				
14T/14R	39/14	BK-BR/BK-BR					14	7							
15T/15R	40/15	BK-S/S-BK					7				7				
16T/16R	41/16	Y-BL/BL-Y					15	spare							
17T/17R	42/17	Y-O/O-Y	slot	slot	slot	0	0							0	0
18T/18R	43/18	Y-G/G-Y	X-2	X-5	X-8	8									
19T/19R	44/19	Y-BR/BR-Y				1									
20T/20R	45/20	Y-S/S-Y				9									
21T/21R	46/21	V-BL/BL-V	card 2	card 5	card 8	2	2							1	1
22T/22R	47/22	V-O/V-O				10									
23T/23R	48/23	V-G/G-V				3		3							
24T/24R	49/24	V-BR/BR-V				11									
25T/25R	50/25	V-S/S-V				spare									
Note: Applies to QPC594 16 Port 500/2500 Line Card.															

Table 57

NT8D13 PE Module: line card pair-terminations for connectors B, D, and F (single loop mode)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			B	D	F	16 (see note)	8	4	2
1T/1R	26/1	W-BL/BL-W	slot	slot	slot	4	4	2	
2T/2R	27/2	W-O/O-W	X-2	X-5	X-8	12			
3T/3R	28/3	W-G/G-W				5	5		
4T/4R	29/4	W-BR/BR-W				13			
5T/5R	30/5	W-S/S-W	card 2	card 5	card 8	6	6	3	
6T/6R	31/6	R-BL/BL-R				14			
7T/7R	32/7	R-O/O-R				7	7		
8T/8R	33/8	R-G/G-R				15			
9T/9R	34/9	R-BR/BR-R	slot	slot	slot	0	0	0	0
10T/10R	35/10	R-S/S-R	X-3	X-6	X-9	8			
11T/11R	36/11	BK-BL/BL-BK				1	1		
12T/12R	37/12	BK-O/O-BK				9			
13T/13R	38/13	BK-G/G-BK	card 3	card 6	card 9	2	2	1	1
14T/14R	39/14	BK-BR/BK-BR				10			
15T/15R	40/15	BK-S/S-BK				3	3		
16T/16R	41/16	Y-BL/BL-Y				11			
17T/17R	42/17	Y-O/O-Y				4	4	2	
18T/18R	43/18	Y-G/G-Y				12			
19T/19R	44/19	Y-BR/BR-Y				5	5		
20T/20R	45/20	Y-S/S-Y				13			
21T/21R	46/21	V-BL/BL-V				6	6	3	
22T/22R	47/22	V-O/O-V				14			
23T/23R	48/23	V-G/G-V				7	7		
24T/24R	49/24	V-BR/BR-V				15			
25T/25R	50/25	V-S/S-V				spare			

Note: Applies to QPC594 16 Port 500/2500 Line Card.

Table 58**NT8D13 PE Module: line card pair-terminations for connectors A, C, E, and G
(dual loop mode)**

Pair	Pins	Pair color	I/O panel connectors				Units per card				
			A	C	E	G	16 (see note)	8	4	2	
1T/1R	26/1	W-BL/BL-W	slot	slot	slot	slot	0	0	0	0	
2T/2R	27/2	W-O/O-W	X-1	X-4	Y-2	Y-5	8	1			
3T/3R	28/3	W-G/G-W					1				
4T/4R	29/4	W-BR/BR-W					9				
5T/5R	30/5	W-S/S-W	card 1	card 4	card 2	card 5	2	2	1	1	
6T/6R	31/6	R-BL/BL-R					10	3			
7T/7R	32/7	R-O/O-R					3				
8T/8R	33/8	R-G/G-R					11				
9T/9R	34/9	R-BR/BR-R					4	4	2		
10T/10R	35/10	R-S/S-R					12	5			
11T/11R	36/11	BK-BL/BL-BK					5				
12T/12R	37/12	BK-O/O-BK					13				
13T/13R	38/13	BK-G/G-BK					6	6	3		
14T/14R	39/14	BK-BR/BK-BR					14	7			
15T/15R	40/15	BK-S/S-BK					7				
16T/16R	41/16	Y-BL/BL-Y					15				
17T/17R	42/17	Y-O/O-Y	slot	slot	slot	spare	0	0	0	0	
18T/18R	43/18	Y-G/G-Y	X-2	X-5	Y-3		8	1			
19T/19R	44/19	Y-BR/BR-Y					1				
20T/20R	45/20	Y-S/S-Y					9				
21T/21R	46/21	V-BL/BL-V	card 2	card 5	card 3		2	2	1	1	
22T/22R	47/22	V-O/V-O					10	3			
23T/23R	48/23	V-G/G-V					3				
24T/24R	49/24	V-BR/BR-V					11				
25T/25R	50/25	V-S/S-V					spare				
Note: Applies to QPC594 16 Port 500/2500 Line Card.											

Table 59
NT8D13 PE Module: line card pair-terminations for connectors B, D, and F (dual loop mode)

Pair	Pins	Pair color	I/O panel connector			Units per card				
			B	D	F	16 (see note)	8	4	2	
1T/1R	26/1	W-BL/BL-W	slot X-2	slot X-5	slot Y-3	4	4	2		
2T/2R	27/2	W-O/O-W				12				
3T/3R	28/3	W-G/G-W				5	5			
4T/4R	29/4	W-BR/BR-W	card 2	card 5	card 3	13		6		3
5T/5R	30/5	W-S/S-W				6				
6T/6R	31/6	R-BL/BL-R				14	7			
7T/7R	32/7	R-O/O-R				7				
8T/8R	33/8	R-G/G-R				15	0	0		0
9T/9R	34/9	R-BR/BR-R	slot X-3	slot Y-1	slot Y-4	0				
10T/10R	35/10	R-S/S-R				8				
11T/11R	36/11	BK-BL/BL-BK				1	1			
12T/12R	37/12	BK-O / O-BK	card 3	card 1	card 4	9		2	1	1
13T/13R	38/13	BK-G/G-BK				2				
14T/14R	39/14	BK-BR/BK-BR				10	3			
15T/15R	40/15	BK-S/S-BK				3				
16T/16R	41/16	Y-BL/BL-Y				11	4	4	2	
17T/17R	42/17	Y-O/O-Y				4				
18T/18R	43/18	Y-G/G-Y				12	5			
19T/19R	44/19	Y-BR/BR-Y				5				
20T/20R	45/20	Y-S/S-Y				13	6	6	3	
21T/21R	46/21	V-BL/BL-V				6				
22T/22R	47/22	V-O/V-O				14	7			
23T/23R	48/23	V-G/G-V				7				
24T/24R	49/24	V-BR/BR-V				15				
25T/25R	50/25	V-S/S-V				spare				
Note: Applies to QPC594 16 Port 500/2500 Line Card.										

Note: Applies to QPC594 16 Port 500/2500 Line Card.

Table 60
NT8D13 PE Module: QPC71 E&M//DX Trunk pair-terminations

Unit	Pair color			Connection	Termination
	Slot 1, 4, 7, 10, 13, 16	Slot 2, 5, 8, 11, 14	Slot 3, 6, 9, 12, 15		
0	W-BL/BL-W	Y-O/O-Y	R-BR/BR-R	T0/R0 900 Ω	First E&M signaling trunk 900 Ω trunk
	W-O/O-W	Y-G/G-Y	R-S/S-R	T0/R0 600 Ω	600 Ω trunk
	W-G/G-W	Y-BR/BR-Y	BK-BL/BL-BK	A1.0/B1E.0	E&M or DX (4W) signaling
0	W-BL/BL-W	Y-O/O-Y	R-BR/BR-R	T0.9/R0.9 900 Ω	First paging trunk 900 Ω amplifier
	W-O/O-W	Y-G/G-Y	R-S/S-R	T0.6/R0.6 600 Ω	600 Ω amplifier
1	W-S/S-W	V-BL/BL-V	BK-G/G-BK	T1/R1 900 Ω	Second E&M signaling trunk 900 Ω trunk
	R-BL/BL-R	V-O/O-V	BK-BR/BR-BK	T1/R1 600 Ω	600 Ω trunk
	R-O/O-R	V-G/G-V	BK-S/S-BK	A1.1/B1E.1	E&M or DX (4W) signaling
1	W-S/S-W	V-BL/BL-V	BK-G/G-BK	T1/R1 900 Ω	Second paging trunk 900 Ω amplifier
	R-BL/BL-R	V-O/O-V	BK-BR/BR-BK	T1/R1 600 Ω	600 Ω amplifier

Table 61
NT8D13 PE Module: QPC74 Recorded Announcement Trunk pair-terminations

Unit	Pair color			Connection	Termination
	Slot 1, 4, 7, 10, 13, 16	Slot 2, 5, 8, 11, 14	Slot 3, 6, 9, 12, 15		
0	W-BL/BL-W W-O/O-W	Y-O/O-Y Y-G/G-Y	B-BR/BR-R R-S/S-R	T0/R0 CP0/CS0 (or SMB0)	To recorded announcement machine (see owner's manual)
1	W-G/G-W W-BR/BR-W	Y-BR/BR-Y Y-S/S-Y	BK-BL/BL-BK BK-O/O-BK	T1/R1 CP1/CS1 (or SMB1)	To another recorded announcement machine (or bridged)
2	W-S/S-W R-BL/BL-R	V-BL/BL-V V-O/O-V	BK-G/G-BK BK-BR/BR-BK	T2/R2 CP2/CS2 (or SMB2)	To another recorded announcement machine (or bridged)
3	R-O/O-R R-G/G-R	V-G/G-V V-BR/BR-V	BK-S/S-BK Y-BL/BL-Y	T3/R3 CP3/CS3 (or SMB3)	To another recorded announcement machine (or bridged)

Table 62
NT8D13 PE Module: QPC237 4-wire E&M//DX Trunk pair-terminations

Unit	Slot / Pair color			Connection			Termination
	1, 4, 7, 10, 13, 16	2, 5, 8, 11, 14	3, 6, 9, 12, 15	Type 1 E&M	Type 2 E&M	DX	
0	W-B BL-W	Y-O O-Y	R-BR BR-R	T0 R0	T0 R0	T0 R0	First trunk Transmit pair
	W-O O-W	Y-G G-Y	R-S S-R	T1 R1	T1 R1	T1 R1	Receive pair
	W-G G-W	Y-BR BR-Y	BK-BL BL-BK	ESCG E	EB EA		Signaling pair
	W-BR BR-W	Y-S S-Y	BK-O O-BK	ESC M	MB MA		Signaling pair
1	W-S S-W	V-BL BL-V	BK-G G-BK	T0 R0	T0 R0	T0 R0	Second trunk Transmit pair
	R-BL BL-R	V-O O-V	BK-BR BR-BK	T1 R1	T1 R1	T1 R1	Receive pair
	R-O O-R	V-G G-V	BK-S S-B	ESCG E	EB EA		Signaling pair
	R-G G-R	V-BR BR-V	Y-BL/ BL-Y	ESC M	MB MA		Signaling pair

Table 63
NT8D13 PE Module: QPC239 Recorded Telephone Dictation Trunk pair-terminations

Unit	Pair color			Connection	Termination
	Slot 1, 4, 7, 10, 13, 16	Slot 2, 5, 8, 11, 14	Slot 3, 6, 9, 12, 15		
0	W-O/O-W	Y-G/G-Y	R-S/S-R	T0/R0	First trunk Voice
	W-G/G-W	Y-BR/BR-Y	BK-BL/BL-BK	DTA0/DTB0	Dial tone
	W-BR/BR-W	Y-S/S-Y	BK-O/O-BK	ARA0/ARB0	Audible ringback tone
1	R-BL/BL-R	V-O/O-V	BK-BR/BR-BK	T1/R1	Second trunk Voice
	R-O/O-R	V-G/G-V	BK-S/S-BK	DTA1/DTB1	Dial tone
	R-G/G-R	V-BR/BR-V	Y-BL/BL-Y	ARA1/ARB1	Audible ringback tone

Table 64
NT8D13 PE Module: QPC250 Release Line Trunk pair-terminations

Unit	Pair color			Connection	Termination
	Slot 1, 4, 7, 10, 13, 16	Slot 2, 5, 8, 11, 14	Slot 3, 6, 9, 12, 15		
0	W-BL/BL-W	Y-O/O-Y	R-BR/BR-R	T0/R0 900 Ω	First trunk to 900 Ω termination
	W-G/G-W	Y-BR/BR-Y	BK-BL/BL-BK	T0/R0 600 Ω	or 600 Ω termination at far end
1	W-S/S-W	V-BL/BL-V	BK-G/G-BK	T1/R1 900 Ω	Second trunk to 900 Ω termination
	R-O/O-R	V-G/G-V	BK-S/S-BK	T1/R1 600 Ω	or 600 Ω termination at far end

Table 65**NT8D13 PE Module: QPC449 Loop Signaling Trunk and QPC450 CO/FX/WATS Trunk pair-terminations**

Unit	Pair color			Connection	Termination
	Slot 1, 4, 7, 10, 13, 16	Slot 2, 5, 8, 11, 14	Slot 3, 6, 9, 12, 15		
0	W-BL/BL-W	Y-O/O-Y	R-BR/BR-R	T0/R0 900 Ω	First trunk 900 Ω trunk
	W-O/O-W	Y-G/G-Y	R-S/S-R	T0/R0 600 Ω	600 Ω trunk
	W-G/G-W	Y-BR/BR-Y	BK-BL/BL-BK	M/MM	(see note)
	W-BR/BR-W	Y-S/S-Y	BK-O/O-BK		
1	W-S/S-W	V-BL/BL-V	BK-G/G-BK	T1/R1 900 Ω	Second trunk 900 Ω amplifier
	R-BL/BL-R	V-O/O-V	BK-BR/BR-BK	T1/R1 600 Ω	600 Ω amplifier
	R-O/O-R	V-G/G-V	BK-S/S-BK	M/MM	(see note)
	R-G/G-R	V-BR/BR-V	Y-BL/BL-Y		
2	R-BR/BR-R	W-BL/BL-W	V-O/O-V	T2/R2 900 Ω	Third trunk 900 Ω trunk
	R-S/S-R	W-O/O-W	V-G/G-V	T2/R2 600 Ω	600 Ω trunk
	BK-BL/BL-BK	W-G/G-W	V-BR/BR-V	M/MM	(see note)
	BK-O/O-BK	W-BR/BR-W	Y-S/S-Y		
3	BK-G/G-BK	W-S/S-W	V-BL/BL-V	T3/R3 900 Ω	Fourth trunk 900 Ω amplifier
	BK-BR/BR-BK	R-BL/BL-R	V-O/O-V	T3/R3 600 Ω	600 Ω amplifier
	BK-S/S-BK	R-O/O-R	V-G/G-V	M/MM	(see note)
	Y-BL/BL-Y	R-G/G-R	V-BR/BR-V		
Note: The M and MM leads are found on QPC295, QPC330, and QPC331 cards.					

Table 66
NT8D13 PE Module: Announcement and Music Trunk pair-terminations

Unit	Pair color			Connection	Termination
	Slot 1, 4, 7, 10, 13, 16	Slot 2, 5, 8, 11, 14	Slot 3, 6, 9, 12, 15		
0	W-BL/BL-W W-O/O-W	Y-O/O-Y Y-G/G-Y	R-BR/BR-R R-S/S-R	T/R	Music or announcement source (see note)
1	W-G/G-W W-BR/BR-W	Y-BR/BR-Y Y-S/S-Y	BK-BL/BL-BK BK-O/O-BK	T/R	Music or announcement source (see note)
2	W-S/S-W R-BL/BL-R	V-BL/BL-V V-O/O-V	BK-G/G-BK BK-BR/BR-BK	T/R	Music or announcement source (see note)
3	R-O/O-R R-G/G-R	V-G/G-V V-BR/BR-V	BK-S/S-BK Y-BL/BL-Y	T/R	Music or announcement source (see note)
4	R-BR/BR-R R-S/S-R	W-BL/BL-W W-O/O-W	Y-O/O-Y Y-G/G-Y	T/R	Music or announcement source (see note)
5	BK-BL/BL-BK BK-O/O-BK	W-G/G-W W-BR/BR-W	Y-BR/BR-Y Y-S/S-Y	T/R	Music or announcement source (see note)
6	BK-G/G-BK BK-BR/BR-BK	W-S/S-W R-BL/BL-R	V-BL/BL-V V-O/O-V	T/R	Music or announcement source (see note)
7	BK-S/S-BK Y-BL/BL-Y	R-O/O-R R-G/G-R	V-G/G-V V-BR/BR-V	T/R	Music or announcement source (see note)
Note: When a high impedance (higher than 2 ohm) music or announcement source is used, the volume level of the source may have to be adjusted when altering the source. Low impedance sources (less than 2 ohm) are not usually affected by changes in the source.					

Table 67
NT8D37 IPE Module: line card pair-terminations

Pair	Pin numbers	Pair color	Unit 24/card
1T/1R	26/1	W-BL/BL-W	0
2T/2R	27/2	W-O/O-W	1
3T/3R	28/3	W-G/G-W	2
4T/4R	29/4	W-BR/BR-W	3
5T/5R	30/5	W-S/S-W	4
6T/6R	31/6	R-BL/BL-R	5
7T/7R	32/7	R-O/O-R	6
8T/8R	33/8	R-G/G-R	7
9T/9R	34/9	R-BR/BR-R	8
10T/10R	35/10	R-S/S-R	9
11T/11R	36/11	BK-BL/BL-BK	10
12T/12R	37/12	BK-O/O-BK	11
13T/13R	38/13	BK-G/G-BK	12
14T/14R	39/14	BK-BR/BK-BR	13
15T/15R	40/15	BK-S/S-BK	14
16T/16R	41/16	Y-BL/BL-Y	15
17T/17R	42/17	Y-O/O-Y	16
18T/18R	43/18	Y-G/G-Y	17
19T/19R	44/19	Y-BR/BR-Y	18
20T/20R	45/20	Y-S/S-Y	19
21T/21R	46/21	V-BL/BL-V	20
22T/22R	47/22	V-O/O-V	21
23T/23R	48/23	V-G/G-V	22
24T/24R	49/24	V-BR/BR-V	23
25T/25R	50/25	V-S/S-V	Spare
Note: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, L, M, N, R, S, T, and U. These connectors are associated with backplane slots 0 through 15, sequentially.			

Table 68
NT8D37 IPE Module: NT8D14 Universal Trunk Card pair-terminations

Lead designations			Pin numbers	Pair color	Unit
RAN mode	Paging mode	Other modes			
0T/0R CP/MB	0T/0R A/PG	0T/0R	26/1 27/2	W-BL/BL-W W-O/O-W	0
1T/1R CP/MB	1T/1R A/PG	1T/1R	28/3 29/4	W-G/G-W W-BR/BR-W	1
2T/2R CP/MB	2T/2R A/PG	2T/2R	30/5 31/6	W-S/S-W R-BL/BL-R	2
3T/3R CP/MB	3T/3R A/PG	3T/3R	32/7 33/8	R-O/O-R R-G/G-R	3
4T/4R CP/MB	4T/4R A/PG	4T/4R	34/9 35/10	R-BR/BR-R R-S/S-R	4
5T/5R CP/MB	5T/5R A/PG	5T/5R	36/11 37/12	BK-BL/BL-BK BK-O/O-BK	5
6T/6R CP/MB	6T/6R A/PG	6T/6R	38/13 39/14	BK-G/G-BK BK-BR/BK-BR	6
7T/7R CP/MB	7T/7R A/PG	7T/7R	40/15 41/16	BK-S/S-BK Y-BL/BL-Y	7
Note 1: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, L, M, N, R, S, T, and U. These connectors are associated with backplane slots 0 through 15, sequentially. Note 2: Use LD 14 to select trunk termination impedance (600 ohm or 900 ohm). See the <i>X11 input/output guide</i> for information on LD 14.					

Table 69**NT8D37 IPE Module: NT8D15 E&M Trunk Card 2-wire paging mode pair-terminations**

Pair	Pin numbers	Pair color	Unit
0T/0R A/PG	26/1 29/4	W-BL/BL-W W-BR/BR-W	0
1T/1R A/PG	30/5 33/8	W-S/S-W R-G/G-R	1
2T/2R A/PG	34/9 37/12	R-BR/BR-R BK-O/O-BK	2
3T/3R A/PG	38/13 41/16	BK-G/G-BK Y-BL/BL-Y	3
Note: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, L, M, N, R, S, T, and U. These connectors are associated with backplane slots 0 through 15, sequentially.			

Table 70**NT8D37 IPE Module: NT8D15 E&M Trunk Card 2-wire type 1 mode pair-terminations**

Pair	Pin numbers	Pair color	Unit
0T/0R E/M	26/1 28/3	W-BL/BL-W W-G/G-W	0
1T/1R E/M	30/5 32/7	W-S/S-W R-O/O-R	1
2T/2R E/M	34/9 36/11	R-BR/BR-R BK-BL/BL-BK	2
3T/3R E/M	38/13 40/15	BK-G/G-BK BK-S/S-BK	3
Note: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, L, M, N, R, S, T, and U. These connectors are associated with backplane slots 0 through 15, sequentially.			

Table 71
NT8D37 IPE Module: NT8D15 E&M Trunk Card 4-wire type 1 and type 2 mode
pair-terminations

Lead designations		Pin numbers	Pair color	Unit
Type 1	Type 2			
TA/TB	TA/TB	26/1	W-BL/BL-W	0
RA/RB	RA/RB	27/2	W-O/O-W	
E/M	EA/EB	28/3	W-G/G-W	
ESC/ESCG	MA/MB	29/4	W-BR/BR-W	
TA/TB	TA/TB	30/5	W-S/S-W	1
RA/RB	RA/RB	31/6	R-BL/BL-R	
E/M	EA/EB	32/7	R-O/O-R	
ESC/ESCG	MA/MB	33/8	R-G/G-R	
TA/TB	TA/TB	34/9	R-BR/BR-R	2
RA/RB	RA/RB	35/10	R-S/S-R	
E/M	EA/EB	36/11	BK-BL/BL-BK	
ESC/ESCG	MA/MB	37/12	BK-O/O-BK	
TA/TB	TA/TB	38/13	BK-G/G-BK	3
RA/RB	RA/RB	39/14	BK-BR/BR-BK	
E/M	EA/EB	40/15	BK-S/S-BK	
ESC/ESCG	MA/MB	41/16	Y-BL/BL-Y	
Note 1: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, L, M, N, R, S, T, and U. These connectors are associated with backplane slots 0 through 15, sequentially.				
Note 2: TA/TB is the transmit pair; RA/RB is the receive pair.				

Table 72
NT8D37 IPE Module: NT8D15 E&M Trunk Card 4-wire type 1 and type 2 mode
pair-terminations

Lead designations		Pin numbers	Pair color	Unit
Type 1	Type 2			
TA/TB	TA/TB	26/1	W-BL/BL-W	0
RA/RB	RA/RB	27/2	W-O/O-W	
E/M	EA/EB	28/3	W-G/G-W	
ESC/ESCG	MA/MB	29/4	W-BR/BR-W	
TA/TB	TA/TB	30/5	W-S/S-W	1
RA/RB	RA/RB	31/6	R-BL/BL-R	
E/M	EA/EB	32/7	R-O/O-R	
ESC/ESCG	MA/MB	33/8	R-G/G-R	
TA/TB	TA/TB	34/9	R-BR/BR-R	2
RA/RB	RA/RB	35/10	R-S/S-R	
E/M	EA/EB	36/11	BK-BL/BL-BK	
ESC/ESCG	MA/MB	37/12	BK-O/O-BK	
TA/TB	TA/TB	38/13	BK-G/G-BK	3
RA/RB	RA/RB	39/14	BK-BR/BR-BK	
E/M	EA/EB	40/15	BK-S/S-BK	
ESC/ESCG	MA/MB	41/16	Y-BL/BL-Y	
Note 1: Each of the following I/O panel connectors is cabled as shown above: connectors A, B, C, D, E, F, G, H, K, L, M, N, R, S, T, and U. These connectors are associated with backplane slots 0 through 15, sequentially.				
Note 2: TA/TB is the transmit pair; RA/RB is the receive pair.				

Table 73
NT5K17 Direct Dial Inward Trunk connections for NT8D37 I/O panel connectors A, E, K, R

Lead designations DDI Mode	Pins	Pair color	I/O panel connectors				Unit number
			A	E	K	R	
T0 R0	26 1	W-BL BL-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
	27 2	W-O O-W					
T1 R1	28 3	W-G G-W					Unit 1
	29 4	W-BR BR-W					
T2 R2	30 5	W-S S-W					Unit 2
	31 6	R-BL BL-R					
T3 R3	32 7	R-O O-R					Unit 3
	33 8	R-G G-R					
T4 R4	34 9	R-BR BR-R					Unit 4
	35 10	R-S S-R					
T5 R5	36 11	BK-BL BL-BK					Unit 5
	37 12	BK-S S-BK					
T6 R6	38 13	BK-G G-BK					Unit 6
	39 14	BK-BR BR-BK					
T7 R7	40 15	BK-S S-BK					Unit 7
	41 16	Y-BL BL-Y					

Table 74

NT5K17 Direct Dial Inward Trunk connections for NT8D37 I/O panel connectors B, F, L, S
(Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
DDI Mode			B	F	L	S	
T0 R0	26 1	W-BL BL-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
	27 2	W-O O-W					Unit 1
T1 R1	28 3	W-G G-W					
	29 4	W-BR BR-W					Unit 2
T2 R2	30 5	W-S S-W					Unit 3
	31 6	R-BL BL-R					
T3 R3	32 7	R-O O-R					Unit 4
	33 8	R-G G-R					
T4 R4	34 9	R-BR BR-R					Unit 5
	35 10	R-S S-R					Unit 6
T5 R5	36 11	BK-BL BL-BK					
	37 12	BK-S S-BK					Unit 7
T6 R6	38 13	BK-G G-BK					
	39 14	BK-BR BR-BK					Unit 7
T7 R7	40 15	BK-S S-BK					
	41 16	Y-BL BL-Y					

Table 74
**NT5K17 Direct Dial Inward Trunk connections for NT8D37 I/O panel connectors B, F, L, S
(Part 2 of 2)**

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
DDI Mode			B	F	L	S	
T0 R0	42 17	Y-O O-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
	43 18	Y-G G-Y					Unit 1
T1 R1	44 19	Y-BR BR-Y					
	45 20	Y-S S-Y					Unit 2
T2 R2	46 21	V-BL BL-V					
	47 22	V-O O-V					Unit 3
T3 R3	48 23	V-G G-V					
	49 24	V-BR BR-V					

Table 75

NT5K17 Direct Dial Inward Trunk connections for NT8D37 I/O panel connectors C, G, M, T
(Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
DDI Mode			C	G	M	T	
T0 R0	26 1	W-BL BL-W	Slot 2	Slot 6	Slot 10	Slot 14	Unit 4
	27 2	W-O O-W					
T1 R1	28 3	W-G G-W					Unit 5
	29 4	W-BR BR-W					
T2 R2	30 5	W-S S-W					Unit 6
	31 6	R-BL BL-R					
T3 R3	32 7	R-O O-R					Unit 7
	33 8	R-G G-R					

Table 75
**NT5K17 Direct Dial Inward Trunk connections for NT8D37 I/O panel connectors C, G, M, T
(Part 2 of 2)**

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
DDI Mode			C	G	M	T	
T4 R4	34 9	R-BR BR-R	Slot 3	Slot 7	Slot 11	Slot 15	Unit 0
	35 10	R-S S-R					
T5 R5	36 11	BK-BL BL-BK					Unit 1
	37 12	BK-S S-BK					
T6 R6	38 13	BK-G G-BK					Unit 2
	39 14	BK-BR BR-BK					
T7 R7	40 15	BK-S S-BK					Unit 3
	41 16	Y-BL BL-Y					
T0 R0	42 17	Y-O O-Y					Unit 4
	43 18	Y-G G-Y					
T1 R1	44 19	Y-BR BR-Y					Unit 5
	45 20	Y-S S-Y					
T2 R2	46 21	V-BL BL-V					Unit 6
	47 22	V-O O-V					
T3 R3	48 23	V-G G-V					Unit 7
	49 24	V-BR BR-V					

Table 76
NT5K18 Flexible Central Office Trunk connections for NT8D37 I/O panel
connectors A, E, K, R

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
			A	E	K	R	
T0 R0	26 1	W-BL BL-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
	27 2	W-O O-W					
T1 R1	28 3	W-G G-W					Unit 1
	29 4	W-BR BR-W					
T2 R2	30 5	W-S S-W					Unit 2
	31 6	R-BL BL-R					
T3 R3	32 7	R-O O-R					Unit 3
	33 8	R-G G-R					
T4 R4	34 9	R-BR BR-R					Unit 4
	35 10	R-S S-R					
T5 R5	36 11	BK-BL BL-BK					Unit 5
	37 12	BK-S S-BK					
T6 R6	38 13	BK-G G-BK					Unit 6
	39 14	BK-BR BR-BK					
T7 R7	40 15	BK-S S-BK					Unit 7
	41 16	Y-BL BL-Y					

Table 77
NT5K18 Flexible Central Office Trunk connections for NT8D37 I/O panel connectors B, F, L, S (Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
			B	F	L	S	
COT							
T0 R0	26 1	W-BL BL-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
	27 2	W-O O-W					
T1 R1	28 3	W-G G-W					Unit 1
	29 4	W-BR BR-W					
T2 R2	30 5	W-S S-W					Unit 2
	31 6	R-BL BL-R					
T3 R3	32 7	R-O O-R					Unit 3
	33 8	R-G G-R					
T4 R4	34 9	R-BR BR-R					Unit 4
	35 10	R-S S-R					
T5 R5	36 11	BK-BL BL-BK					Unit 5
	37 12	BK-S S-BK					
T6 R6	38 13	BK-G G-BK					Unit 6
	39 14	BK-BR BR-BK					
T7 R7	40 15	BK-S S-BK					Unit 7
	41 16	Y-BL BL-Y					

Table 77

NT5K18 Flexible Central Office Trunk connections for NT8D37 I/O panel connectors B, F, L, S (Part 2 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
			B	F	L	S	
T0 R0	42 17	Y-O O-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
	43 18	Y-G G-Y					
T1 R1	44 19	Y-BR BR-Y					Unit 1
	45 20	Y-S S-Y					
T2 R2	46 21	V-BL BL-V					Unit 2
	47 22	V-O O-V					
T3 R3	48 23	V-G G-V					Unit 3
	49 24	V-BR BR-V					

Table 78
NT5K18 Flexible Central Office Trunk connections for NT8D37 I/O panel connectors C, G, M, T (Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
			C	G	M	T	
COT							
T0 R0	26 1	W-BL BL-W	Slot 2	Slot 6	Slot 10	Slot 14	Unit 4
	27 2	W-O O-W					
T1 R1	28 3	W-G G-W					Unit 5
	29 4	W-BR BR-W					
T2 R2	30 5	W-S S-W					Unit 6
	31 6	R-BL BL-R					
T3 R3	32 7	R-O O-R					Unit 7
	33 8	R-G G-R					

Table 78
NT5K18 Flexible Central Office Trunk connections for NT8D37 I/O panel
connectors C, G, M, T (Part 2 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
			C	G	M	T	
T4 R4	34 9	R-BR BR-R	Slot 3	Slot 7	Slot 11	Slot 15	Unit 0
	35 10	R-S S-R					
T5 R5	36 11	BK-BL BL-BK					Unit 1
	37 12	BK-S S-BK					
T6 R6	38 13	BK-G G-BK					Unit 2
	39 14	BK-BR BR-BK					
T7 R7	40 15	BK-S S-BK					Unit 3
	41 16	Y-BL BL-Y					
T0 R0	42 17	Y-O O-Y					Unit 4
	43 18	Y-G G-Y					
T1 R1	44 19	Y-BR BR-Y					Unit 5
	45 20	Y-S S-Y					
T2 R2	46 21	V-BL BL-V					Unit 6
	47 22	V-O O-V					
T3 R3	48 23	V-G G-V					Unit 7
	49 24	V-BR BR-V					

Table 79
NT5K19 Flexible E&M 2-Wire Type 1 connections for NT8D37 I/O panel connectors A, E, K, R

Pair	Pins	Pair color	I/O panel connectors				Unit number
			A	E	K	R	
T0 R0	27 2	W-O O-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
E M	28 3	W-G G-W					
T1 R1	31 6	R-BL BL-R					Unit 1
E M	32 7	R-O O-R					
T2 R2	35 10	R-S S-R					Unit 2
E M	36 11	BK-BL BL-BK					
T3 R3	39 14	BK-BR BR-BK					Unit 3
E M	40 15	BK-S S-BK					

Table 80**NT5K19 E&M 2-Wire Type 1 connections for NT8D37 I/O panel connectors B, F, L, S**

Pair	Pins	Pair color	I/O panel connectors				Unit number
			A	E	K	R	
T0 R0	27 2	W-O O-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
E M	28 3	W-G G-W					Unit 1
T1 R1	31 6	R-BL BL-R					
E M	32 7	R-O O-R					Unit 2
T2 R2	35 10	R-S S-R					Unit 3
E M	36 11	BK-BL BL-BK					
T3 R3	39 14	BK-BR BR-BK					
E M	40 15	BK-S S-BK					
T0 R0	43 18	Y-G G-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
E M	44 19	Y-BR BR-Y					Unit 1
T1 R1	47 22	V-O O-V					
E M	48 23	V-G G-V					

Table 81
NT5K19 Flexible E&M 2-Wire Type 1 trunk connections for NT8D37 I/O panel connectors C, G, M, T

Pair	Pins	Pair color	I/O panel connectors				Unit number
			C	G	M	T	
T2 R2	27 2	W-O O-W	Slot 2	Slot 6	Slot 10	Slot 14	Unit 2
E M	28 3	W-G G-W					Unit 3
T3 R3	31 6	R-BL BL-R					
E M	32 7	R-O O-R	Slot 3	Slot 7	Slot 11	Slot 15	Unit 0
T0 R0	35 10	R-S S-R					Unit 1
E M	36 11	BK-BL BL-BK					
T1 R1	39 14	BK-BR BR-BK					Unit 2
E M	40 15	BK-S S-BK					
T2 R2	43 18	Y-G G-Y					Unit 3
E M	44 19	Y-BR BR-Y					
T3 R3	47 22	V-O O-V					Unit 3
E M	48 23	V-G G-V					

Table 82

NT5K19 Flexible E&M 2-Wire Paging trunk connections for NT8D37 I/O panel connectors A, E, K, R

Pair	Pins	Pair color	I/O panel connectors				Unit number
			A	E	K	R	
T0 R0	27 2	W-O O-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
A PG	29 4	W-BR BR-W					
T1 R1	31 6	R-BL BL-R					Unit 1
A PG	33 8	R-G G-R					
T2 R2	35 10	R-S S-R					Unit 2
A PG	37 12	BL-O O-BL					
T3 R3	39 14	BK-BR BR-BK					Unit 3
A PG	41 16	Y-BL BL-Y					

Table 83
NT5K19 Flexible E&M 2-Wire Paging trunk connections for NT8D37 I/O panel connectors B, F, L, S

Pair	Pins	Pair color	I/O panel connectors				Unit number
			B	F	L	S	
T0 R0	27 2	W-O O-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
A PG	29 4	W-BR BR-W					Unit 1
T1 R1	31 6	R-BL BL-R					
A PG	33 8	R-G G-R					Unit 2
T2 R2	35 10	R-S S-R					Unit 3
A PG	37 12	BL-O O-BL					
T3 R3	39 14	BK-BR BR-BK					
A PG	41 16	Y-BL BL-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
T0 R0	43 18	Y-G G-Y					Unit 1
A PG	45 20	Y-S S-Y					
T1 R1	47 22	V-O O-V					
A PG	49 24	V-BR BR-V					

Table 84

NT5K19 Flexible E&M 2-Wire Paging trunk connections for NT8D37 I/O panel connectors C, G, M, T

Pair	Pins	Pair color	I/O panel connectors				Unit number
			C	G	M	T	
T2 R2	27 2	W-O O-W	Slot 2	Slot 6	Slot 10	Slot 14	Unit 2
A PG	29 4	W-BR BR-W					Unit 3
T3 R3	31 6	R-BL BL-R					
A PG	33 8	R-G G-R					
T0 R0	35 10	R-S S-R	Slot 3	Slot 7	Slot 11	Slot 15	Unit 0
A PG	37 12	BL-O O-BL					Unit 1
T1 R1	39 14	BK-BR BR-BK					
A PG	41 16	Y-BL BL-Y					Unit 2
T2 R2	43 18	Y-G G-Y					
A PG	45 20	Y-S S-Y					Unit 3
T3 R3	47 22	V-O O-V					
A PG	49 24	V-BR BR-V					

Table 85
NT5K19 Flexible E&M 2-Wire Recorded Announcement trunk connections for NT8D37 I/O panel connectors A, E, K, R

Pair	Pins	Pair color	I/O panel connectors				Unit number
			A	E	K	R	
T0 R0	26 1	W-BL BL-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
SIG B SIG A	29 4	W-BR BR-W					
T1 R1	30 5	W-S S-W					Unit 1
SIG B SIG A	33 8	R-G G-R					
T2 R2	34 9	R-BR BR-R					Unit 2
SIG B SIG A	37 12	BL-O O-BL					
T3 R3	38 13	BK-G G-BK					Unit 3
SIG B SIG A	41 16	Y-BL BL-Y					

Table 86

NT5K19 Flexible E&M 2-Wire Recorded Announcement trunk connections for NT8D37 I/O panel connectors B, F, L, S

Pair	Pins	Pair color	I/O panel connectors				Unit number
			B	F	L	S	
T0 R0	26 1	W-BL BL-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
SIG B SIG A	29 4	W-BR BR-W					Unit 1
T1 R1	30 5	W-S S-W					
SIG B SIG A	33 8	R-G G-R					Unit 2
T2 R2	34 9	R-BR BR-R					Unit 3
SIG B SIG A	37 12	BL-O O-BL					
T3 R3	38 13	BK-G G-BK					Unit 0
SIG B SIG A	41 16	Y-BL BL-Y					
T0 R0	42 17	Y-O O-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
SIG B SIG A	45 20	Y-S S-Y					Unit 1
T1 R1	46 21	V-BL BL-V					
SIG B SIG A	49 24	V-BR BR-V					

Table 87
NT5K19 Flexible E&M 2-Wire Recorded Announcement trunk connections for NT8D37 I/O panel connectors C, G, M, T

Pair	Pins	Pair color	I/O panel connectors				Unit number
			C	G	M	T	
T2 R2	26 1	W-BL BL-W	Slot 2	Slot 6	Slot 10	Slot 14	Unit 2
SIG B SIG A	29 4	W-BR BR-W					
T3 R3	30 5	W-S S-W					Unit 3
SIG B SIG A	33 8	R-G G-R					
T0 R0	34 9	R-BR BR-R	Slot 3	Slot 7	Slot 11	Slot 15	Unit 0
SIG B SIG A	37 12	BL-O O-BL					
T1 R1	38 13	BK-G G-BK					Unit 1
SIG B SIG A	41 16	Y-BL BL-Y					
T2 R2	42 17	Y-O O-Y					Unit 2
SIG B SIG A	45 20	Y-S S-Y					
T3 R3	46 21	V-BL BL-V					Unit 3
SIG B SIG A	49 24	V-BR BR-V					

Table 88**NT5K19 Flexible E&M 4-Wire Type 1 connections for NT8D37 I/O panel connectors A, E, K, R**

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
Type 1 mode			A	E	K	R	
TA TB	26 1	W-BL BL-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
RA RB	27 2	W-O O-W					
E M	28 3	W-G G-W					
TA TB	30 5	W-S S-W					Unit 1
RA RB	31 6	R-BL BL-R					
E M	32 7	R-O O-R					
TA TB	34 9	R-BR BR-R					Unit 2
RA RB	35 10	R-S S-R					
E M	36 11	BK-BL BL-BK					
TA TB	38 13	BK-G G-BK					Unit 3
RA RB	39 14	BK-BR BR-BK					
E M	40 15	BK-S S-BK					
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.							

Table 89
NT5K19 Flexible E&M 4-Wire Type 1 connections for NT8D37 I/O panel connectors B, F, L, S (Part 1 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
Type 1 mode			B	F	L	S	
TA TB	26 1	W-BL BL-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
RA RB	27 2	W-O O-W					
E M	28 3	W-G G-W					
TA TB	30 5	W-S S-W					Unit 1
RA RB	31 6	R-BL BL-R					
E M	32 7	R-O O-R					
TA TB	34 9	R-BR BR-R					Unit 2
RA RB	35 10	R-S S-R					
E M	36 11	BK-BL BL-BK					
TA TB	38 13	BK-G G-BK					Unit 3
RA RB	39 14	BK-BR BR-BK					
E M	40 15	BK-S S-BK					
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.							

Table 89

NT5K19 Flexible E&M 4-Wire Type 1 connections for NT8D37 I/O panel connectors B, F, L, S (Part 2 of 2)

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
Type 1 mode			B	F	L	S	
TA TB	42 17	Y-O O-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
RA RB	43 18	Y-G G-Y					
E M	44 19	Y-BR BR-Y					
TA TB	46 21	V-BL BL-V					Unit 1
RA RB	47 22	V-O O-V					
E M	48 23	V-G G-V					
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.							

Table 90

NT5K19 Flexible E&M AC15 trunk connections for NT8D37 I/O panel connectors A, E, K, R

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
Type 1 mode			A	E	K	R	
TA TB	26 1	W-BL BL-W	Slot 0	Slot 4	Slot 8	Slot 12	Unit 0
RA RB	27 2	W-O O-W					
TA TB	30 5	W-S S-W					Unit 1
RA RB	31 6	R-BL BL-R					
TA TB	34 9	R-BR BR-R					Unit 2
RA RB	35 10	R-S S-R					
TA TB	38 13	BK-G G-BK					Unit 3
RA RB	39 14	BK-BR BR-BK					
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.							

Table 91
NT5K19 Flexible E&M AC15 Trunk connections for NT8D37 I/O panel connectors B, F, L, S

Lead designations	Pins	Pair color	I/O panel connectors				Unit number
Type 1 mode			B	F	L	S	
TA TB	26 1	W-BL BL-W	Slot 1	Slot 5	Slot 9	Slot 13	Unit 0
RA RB	27 2	W-O O-W					
TA TB	30 5	W-S S-W					Unit 1
RA RB	31 6	R-BL BL-R					
TA TB	34 9	R-BR BR-R					Unit 2
RA RB	35 10	R-S S-R					
TA TB	38 13	BK-G G-BK					Unit 3
RA RB	39 14	BK-BR BR-BK					
TA TB	42 17	Y-O O-Y	Slot 2	Slot 6	Slot 10	Slot 14	Unit 0
RA RB	43 18	Y-G G-Y					
TA TB	46 21	V-BL BL-V					Unit 1
RA RB	47 22	V-O O-V					
Note: The cable pair designated TA, TB is the transmit pair. The pair designated RA, RB is the receive pair.							

Table 92

Pair-terminations for NT5K11 EEPE Module I/O panel connectors A, C, E (single loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			A	C	E	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-1 Card 1	Slot X-4 Card 4	Slot X-7 Card 7	Unit 0	Unit 0	Unit 0	Unit 0
2T 2R	27 2	W-O O-W				Unit 8			
3T 3R	28 3	W-G G-W				Unit 1	Unit 1		
4T 4R	29 4	W-BR BR-W				Unit 9			
5T 5R	30 5	W-S S-W				Unit 2	Unit 2	Unit 1	Unit 1
6T 6R	31 6	R-BL BL-R				Unit 10			
7T 7R	32 7	R-O O-R				Unit 3	Unit 3		
8T 8R	33 8	R-G G-R				Unit 11			
9T 9R	34 9	R-BR BR-R				Unit 4	Unit 4	Unit 2	
10T 10R	35 10	R-S S-R				Unit 12			
11T 11R	36 11	BK-BL BL-BK				Unit 5	Unit 5		
12T 12R	37 12	BL-O O-BK				Unit 13			
13T 13R	38 13	BK-G G-BK				Unit 6	Unit 6	Unit 3	
14T 14R	39 14	BK-BR BR-BK				Unit 14			
15T 15R	40 15	BK-S S-BK				Unit 7	Unit 7		
16T 16R	41 16	Y-BL BL-Y				Unit 15			

Table 92

Pair-terminations for NT5K11 EEPE Module I/O panel connectors A, C, E (single loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			A	C	E	16	8	4	2
17T 17R	42 17	Y-O O-Y	Slot X-2 Card 2	Slot X-5 Card 5	Slot X-8 Card 8	Unit 0	Unit 0	Unit 0	Unit 0
18T 18R	43 18	Y-G G-Y				Unit 8			
19T 19R	44 19	Y-BR BR-Y				Unit 1	Unit 1		
20T 20R	45 20	Y-S S-Y				Unit 9			
21T 21R	46 21	V-BL BL-V				Unit 2	Unit 2	Unit 1	Unit 1
22T 22R	47 22	V-O O-V				Unit 10			
23T 23R	48 23	V-G G-V				Unit 3	Unit 3		
24T 24R	49 24	V-BR BR-V				Unit 11			
25T 25R	50 25	V-S S-V	Spare						

Table 93

Pair-terminations for NT5K11 EEPE Module I/O panel connectors B, D, F (single loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			B	D	F	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-2 Card 2	Slot X-5 Card 5	Slot X-8 Card 8	Unit 4	Unit 4	Unit 2	
2T 2R	27 2	W-O O-W				Unit 12			
3T 3R	28 3	W-G G-W				Unit 5	Unit 5		
4T 4R	29 4	W-BR BR-W				Unit 13			
5T 5R	30 5	W-S S-W				Unit 6	Unit 6	Unit 3	
6T 6R	31 6	R-BL BL-R				Unit 14			
7T 7R	32 7	R-O O-R				Unit 7	Unit 7		
8T 8R	33 8	R-G G-R				Unit 15			

Table 93

Pair-terminations for NT5K11 EEPE Module I/O panel connectors B, D, F (single loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			B	D	F	16	8	4	2
9T 9R	34 9	R-BR BR-R	Slot X-3 Card 3	Slot X-6 Card 6	Spare	Unit 0	Unit 0	Unit 0	Unit 0
10T 10R	35 10	R-S S-R				Unit 8			
11T 11R	36 11	BK-BL BL-BK				Unit 1	Unit 1		
12T 12R	37 12	BL-O O-BK				Unit 9			
13T 13R	38 13	BK-G G-BK				Unit 2	Unit 2	Unit 1	Unit 1
14T 14R	39 14	BK-BR BR-BK				Unit 10			
15T 15R	40 15	BK-S S-BK				Unit 3	Unit 3		
16T 16R	41 16	Y-BL BL-Y				Unit 11			
17T 17R	42 17	Y-O O-Y				Unit 4	Unit 4	Unit 2	
18T 18R	43 18	Y-G G-Y				Unit 12			
19T 19R	44 19	Y-BR BR-Y				Unit 5	Unit 5		
20T 20R	45 20	Y-S S-Y				Unit 13			
21T 21R	46 21	V-BL BL-V				Unit 6	Unit 6	Unit 3	
22T 22R	47 22	V-O O-V				Unit 14			
23T 23R	48 23	V-G G-V				Unit 7	Unit 7		
24T 24R	49 24	V-BR BR-V				Unit 15			
25T 25R	50 25	V-S S-V	Spare						

Table 94

Pair-terminations for NT5K11 EEPE Module I/O panel connectors G, I, L (single loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			G	I	L	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-1 Card 1	Slot X-4 Card 4	Slot X-7 Card 7	Unit 0	Unit 0	Unit 0	Unit 0
2T 2R	27 2	W-O O-W				Unit 8			
3T 3R	28 3	W-G G-W				Unit 1	Unit 1		
4T 4R	29 4	W-BR BR-W				Unit 9			
5T 5R	30 5	W-S S-W				Unit 2	Unit 2	Unit 1	Unit 1
6T 6R	31 6	R-BL BL-R				Unit 10			
7T 7R	32 7	R-O O-R				Unit 3	Unit 3		
8T 8R	33 8	R-G G-R				Unit 11			
9T 9R	34 9	R-BR BR-R				Unit 4	Unit 4	Unit 2	
10T 10R	35 10	R-S S-R				Unit 12			
11T 11R	36 11	BK-BL BL-BK				Unit 5	Unit 5		
12T 12R	37 12	BL-O O-BK				Unit 13			
13T 13R	38 13	BK-G G-BK				Unit 6	Unit 6	Unit 3	
14T 14R	39 14	BK-BR BR-BK				Unit 14			
15T 15R	40 15	BK-S S-BK				Unit 7	Unit 7		
16T 16R	41 16	Y-BL BL-Y				Unit 15			

Table 94

Pair-terminations for NT5K11 EEPE Module I/O panel connectors G, I, L (single loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			G	I	L	16	8	4	2
17T 17R	42 17	Y-O O-Y	Slot X-2 Card 2	Slot X-5 Card 5	Slot X-8 Card 8	Unit 0	Unit 0	Unit 0	Unit 0
18T 18R	43 18	Y-G G-Y				Unit 8			
19T 19R	44 19	Y-BR BR-Y				Unit 1	Unit 1		
20T 20R	45 20	Y-S S-Y				Unit 9			
21T 21R	46 21	V-BL BL-V				Unit 2	Unit 2	Unit 1	Unit 1
22T 22R	47 22	V-O O-V				Unit 10			
23T 23R	48 23	V-G G-V				Unit 3	Unit 3		
24T 24R	49 24	V-BR BR-V				Unit 11			
25T 25R	50 25	V-S S-V				Spare			

Table 95

Pair-terminations for NT5K11 EEPE Module I/O panel connectors H, K, M (single loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			H	K	M	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-2 Card 2	Slot X-5 Card 5	Slot X-8 Card 8	Unit 4	Unit 4	Unit 2	
2T 2R	27 2	W-O O-W				Unit 12			
3T 3R	28 3	W-G G-W				Unit 5	Unit 5		
4T 4R	29 4	W-BR BR-W				Unit 13			
5T 5R	30 5	W-S S-W				Unit 6	Unit 6	Unit 3	
6T 6R	31 6	R-BL BL-R				Unit 14			
7T 7R	32 7	R-O O-R				Unit 7	Unit 7		
8T 8R	33 8	R-G G-R				Unit 15			

Table 95

**Pair-terminations for NT5K11 EEPE Module I/O panel connectors H, K, M (single loop mode)
Shelf Section-A (Part 2 of 2)**

Pair	Pins	Pair color	I/O panel connector			Units per card			
			H	K	M	16	8	4	2
9T 9R	34 9	R-BR BR-R	Slot X-3 Card 3	Slot X-6 Card 6	Spare	Unit 0	Unit 0	Unit 0	Unit 0
10T 10R	35 10	R-S S-R				Unit 8			
11T 11R	36 11	BK-BL BL-BK				Unit 1	Unit 1		
12T 12R	37 12	BL-O O-BK				Unit 9			
13T 13R	38 13	BK-G G-BK				Unit 2	Unit 2	Unit 1	Unit 1
14T 14R	39 14	BK-BR BR-BK				Unit 10			
15T 15R	40 15	BK-S S-BK				Unit 3	Unit 3		
16T 16R	41 16	Y-BL BL-Y				Unit 11			
17T 17R	42 17	Y-O O-Y				Unit 4	Unit 4	Unit 2	
18T 18R	43 18	Y-G G-Y				Unit 12			
19T 19R	44 19	Y-BR BR-Y				Unit 5	Unit 5		
20T 20R	45 20	Y-S S-Y				Unit 13			
21T 21R	46 21	V-BL BL-V				Unit 6	Unit 6	Unit 3	
22T 22R	47 22	V-O O-V				Unit 14			
23T 23R	48 23	V-G G-V				Unit 7	Unit 7		
24T 24R	49 24	V-BR BR-V				Unit 15			
25T 25R	50 25	V-S S-V	Spare						

Table 96

Pair-terminations for NT5K11 EEPE Module I/O panel connectors A, C, E, (dual loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			A	C	E	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-1 Card 1	Slot X-4 Card 4	Slot Y-3 Card 2	Unit 0	Unit 0	Unit 0	Unit 0
2T 2R	27 2	W-O O-W				Unit 8			
3T 3R	28 3	W-G G-W				Unit 1	Unit 1		
4T 4R	29 4	W-BR BR-W				Unit 9			
5T 5R	30 5	W-S S-W				Unit 2	Unit 2	Unit 1	Unit 1
6T 6R	31 6	R-BL BL-R				Unit 10			
7T 7R	32 7	R-O O-R				Unit 3	Unit 3		
8T 8R	33 8	R-G G-R				Unit 11			
9T 9R	34 9	R-BR BR-R				Unit 4	Unit 4	Unit 2	
10T 10R	35 10	R-S S-R				Unit 12			
11T 11R	36 11	BK-BL BL-BK				Unit 5	Unit 5		
12T 12R	37 12	BL-O O-BK				Unit 13			
13T 13R	38 13	BK-G G-BK				Unit 6	Unit 6	Unit 3	
14T 14R	39 14	BK-BR BR-BK				Unit 14			
15T 15R	40 15	BK-S S-BK				Unit 7	Unit 7		
16T 16R	41 16	Y-BL BL-Y				Unit 15			

Table 96

Pair-terminations for NT5K11 EEPE Module I/O panel connectors A, C, E, (dual loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			A	C	E	16	8	4	2
17T 17R	42 17	Y-O O-Y	Slot X-2 Card 2	Slot Y-1 Card 5	Slot Y-4 Card 3	Unit 0	Unit 0	Unit 0	Unit 0
18T 18R	43 18	Y-G G-Y				Unit 8			
19T 19R	44 19	Y-BR BR-Y				Unit 1	Unit 1		
20T 20R	45 20	Y-S S-Y				Unit 9			
21T 21R	46 21	V-BL BL-V				Unit 2	Unit 2	Unit 1	Unit 1
22T 22R	47 22	V-O O-V				Unit 10			
23T 23R	48 23	V-G G-V				Unit 3	Unit 3		
24T 24R	49 24	V-BR BR-V				Unit 11			
25T 25R	50 25	V-S S-V				Spare			

Table 97

Pair-terminations for NT5K11 EEPE Module I/O panel connectors B, D, F (dual loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			B	D	F	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-2 Card 2	Slot Y-1 Card 5	Slot Y-4 Card 3	Unit 4	Unit 4	Unit 2	
2T 2R	27 2	W-O O-W				Unit 12			
3T 3R	28 3	W-G G-W				Unit 5	Unit 5		
4T 4R	29 4	W-BR BR-W				Unit 13			
5T 5R	30 5	W-S S-W				Unit 6	Unit 6	Unit 3	
6T 6R	31 6	R-BL BL-R				Unit 14			
7T 7R	32 7	R-O O-R				Unit 7	Unit 7		
8T 8R	33 8	R-G G-R				Unit 15			

Table 97

Pair-terminations for NT5K11 EEPE Module I/O panel connectors B, D, F (dual loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			B	D	F	16	8	4	2
9T 9R	34 9	R-BR BR-R	Slot X-3 Card 3	Slot Y-2 Card 1	Spare	Unit 0	Unit 0	Unit 0	Unit 0
10T 10R	35 10	R-S S-R				Unit 8			
11T 11R	36 11	BK-BL BL-BK				Unit 1	Unit 1		
12T 12R	37 12	BL-O O-BK				Unit 9			
13T 13R	38 13	BK-G G-BK				Unit 2	Unit 2	Unit 1	Unit 1
14T 14R	39 14	BK-BR BR-BK				Unit 10			
15T 15R	40 15	BK-S S-BK				Unit 3	Unit 3		
16T 16R	41 16	Y-BL BL-Y				Unit 11			
17T 17R	42 17	Y-O O-Y				Unit 4	Unit 4	Unit 2	
18T 18R	43 18	Y-G G-Y				Unit 12			
19T 19R	44 19	Y-BR BR-Y				Unit 5	Unit 5		
20T 20R	45 20	Y-S S-Y				Unit 13			
21T 21R	46 21	V-BL BL-V				Unit 6	Unit 6	Unit 3	
22T 22R	47 22	V-O O-V				Unit 14			
23T 23R	48 23	V-G G-V				Unit 7	Unit 7		
24T 24R	49 24	V-BR BR-V				Unit 15			
25T 25R	50 25	V-S S-V	Spare						

Table 98
Pair-terminations for NT5K11 EEPE Module I/O panel connectors G, I, K (dual loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			G	I	K	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-1 <						

Table 98

Pair-terminations for NT5K11 EEPE Module I/O panel connectors G, I, K (dual loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			G	I	K	16	8	4	2
17T 17R	42 17	Y-O O-Y	Slot X-2 Card 2	Slot Y-1 Card 5	Slot Y-4 Card 3	Unit 0	Unit 0	Unit 0	Unit 0
18T 18R	43 18	Y-G G-Y				Unit 8			
19T 19R	44 19	Y-BR BR-Y				Unit 1	Unit 1		
20T 20R	45 20	Y-S S-Y				Unit 9			
21T 21R	46 21	V-BL BL-V				Unit 2	Unit 2	Unit 1	Unit 1
22T 22R	47 22	V-O O-V				Unit 10			
23T 23R	48 23	V-G G-V				Unit 3	Unit 3		
24T 24R	49 24	V-BR BR-V				Unit 11			
25T 25R	50 25	V-S S-V				Spare			

Table 99

Pair-terminations for NT5K11 EEPE Module I/O panel connectors H, L, M (dual loop mode)
Shelf Section-A (Part 1 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			H	L	M	16	8	4	2
1T 1R	26 1	W-BL BL-W	Slot X-2 Card 2	Slot Y-1 Card 5	Slot Y-4 Card 3	Unit 4	Unit 4	Unit 2	
2T 2R	27 2	W-O O-W				Unit 12			
3T 3R	28 3	W-G G-W				Unit 5	Unit 5		
4T 4R	29 4	W-BR BR-W				Unit 13			
5T 5R	30 5	W-S S-W				Unit 6	Unit 6	Unit 3	
6T 6R	31 6	R-BL BL-R				Unit 14			
7T 7R	32 7	R-O O-R				Unit 7	Unit 7		
8T 8R	33 8	R-G G-R				Unit 15			

Table 99

Pair-terminations for NT5K11 EEPE Module I/O panel connectors H, L, M (dual loop mode)
Shelf Section-A (Part 2 of 2)

Pair	Pins	Pair color	I/O panel connector			Units per card			
			H	L	M	16	8	4	2
9T 9R	34 9	R-BR BR-R	Slot X-3 Card 3	Slot Y-2 Card 1	Spare	Unit 0	Unit 0	Unit 0	Unit 0
10T 10R	35 10	R-S S-R				Unit 8			
11T 11R	36 11	BK-BL BL-BK				Unit 1	Unit 1		
12T 12R	37 12	BL-O O-BK				Unit 9			
13T 13R	38 13	BK-G G-BK				Unit 2	Unit 2	Unit 1	Unit 1
14T 14R	39 14	BK-BR BR-BK				Unit 10			
15T 15R	40 15	BK-S S-BK				Unit 3	Unit 3		
16T 16R	41 16	Y-BL BL-Y				Unit 11			
17T 17R	42 17	Y-O O-Y				Unit 4	Unit 4	Unit 2	
18T 18R	43 18	Y-G G-Y				Unit 12			
19T 19R	44 19	Y-BR BR-Y				Unit 5	Unit 5		
20T 20R	45 20	Y-S S-Y				Unit 13			
21T 21R	46 21	V-BL BL-V				Unit 6	Unit 6	Unit 3	
22T 22R	47 22	V-O O-V				Unit 14			
23T 23R	48 23	V-G G-V				Unit 7	Unit 7		
24T 24R	49 24	V-BR BR-V				Unit 15			
25T 25R	50 25	V-S S-V	Spare						